

PROJECTIONS AND PLANNING INFORMATION



San Jose

Metropolitan Statistical Area
(Santa Clara County)



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PROJECTIONS AND PLANNING INFORMATION

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**State of California
Health and Welfare Agency**

PROJECTIONS AND PLANNING INFORMATION

SAN JOSE METROPOLITAN STATISTICAL AREA (SANTA CLARA COUNTY)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF ECONOMIC ANALYSIS
WASHINGTON, D.C. 20540

OFFICE OF THE ASSISTANT ATTORNEY GENERAL
SANTA CLARA COUNTY
SANTA CLARA, CALIFORNIA

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LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



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Projections & Planning Information

Module A:

Introduction

Projections and Planning Information

SANTA CLARA COUNTY

Replace Module A: INTRODUCTION

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**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

For questions about this report, call (916) 262-2162.





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Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

Santa Clara County

Situated south of the San Francisco Bay, Santa Clara County is part of one of the state's busiest urban areas—the San Francisco Bay Area. There are nine counties which significantly contribute to the economy of the Bay Area as an urban center: Alameda, Contra Costa, Marin, Napa, San Francisco, Santa Clara, San Mateo, Solano, and Sonoma. Santa Clara County shares borders with Santa Cruz and San Mateo to the west, Stanislaus and Merced to the east, San Benito to the south, and Alameda, its neighbor to the north.

Santa Clara is the largest county in the San Francisco Bay Area, measuring approximately 1,316 square miles. The fertile Santa Clara Valley runs the entire length of the county from north to south, ringed by the hills of the Diablo Range on the east and the Santa Cruz Mountains on the west. Salt marshes and wetlands lie in the northwestern part of the county, adjacent to the waters of San Francisco Bay. Other than this small portion of the bay, Santa Clara County contains no

major bodies of water, although several small reservoirs and lakes are scattered throughout the area. Mount Hamilton, directly east of the city of San Jose, is the highest point in the county with an elevation of 4,213 feet.

The 2000 Census Data reports Santa Clara's population at more than 1.6 million, an increase over 1990 Census Data of 12.4 percent or 185,000 persons. The cities of Morgan Hill, Gilroy, Cupertino, and Milpitas recorded the highest percent growth; all four increased their population by over 20 percent, with Morgan Hill leading at 40 percent. Overall, Santa Clara ranks as the fifth-highest populated county in the state and the largest of the nine Bay Area counties. San Jose is the largest city in the county with a population of nearly 895,000. Santa Clara County's population is projected to reach almost 2.2 million by 2020.

Santa Clara County
(San Jose Metropolitan Statistical Area)

Population of the County and Selected Cities
1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	1,295,071	1,497,577	1,682,585	1,723,700	12.4%	2.4%
Campbell	26,843	36,048	38,138	38,650	5.8%	1.3%
Cupertino	34,297	40,263	50,546	51,300	25.5%	1.5%
Gilroy	21,641	31,487	41,464	43,550	31.7%	5.0%
Los Altos	25,769	26,303	27,693	28,100	5.3%	1.5%
Los Altos Hills	7,421	7,514	7,902	8,025	5.2%	1.6%
Los Gatos	26,906	27,357	28,592	29,100	4.5%	1.8%
Milpitas	37,820	50,686	62,698	63,800	23.7%	1.8%
Monte Sereno	3,434	3,287	3,483	3,520	6.0%	1.1%
Morgan Hill	17,060	23,928	33,556	34,600	40.2%	3.1%
Mountain View	58,655	67,460	70,708	72,200	4.8%	2.1%
Palo Alto	55,225	55,900	58,598	60,800	4.8%	3.8%
San Jose	629,400	782,248	894,943	918,800	14.4%	2.7%
Santa Clara	87,700	93,613	102,361	104,600	9.3%	2.2%
Saratoga	29,261	28,061	29,843	30,200	6.4%	1.2%
Sunnyvale	106,618	117,229	131,760	134,000	12.4%	1.7%
Balance of County	127,021	106,193	100,300	102,300	-5.5%	2.0%

(a) Census of Population, April 1, 1980.

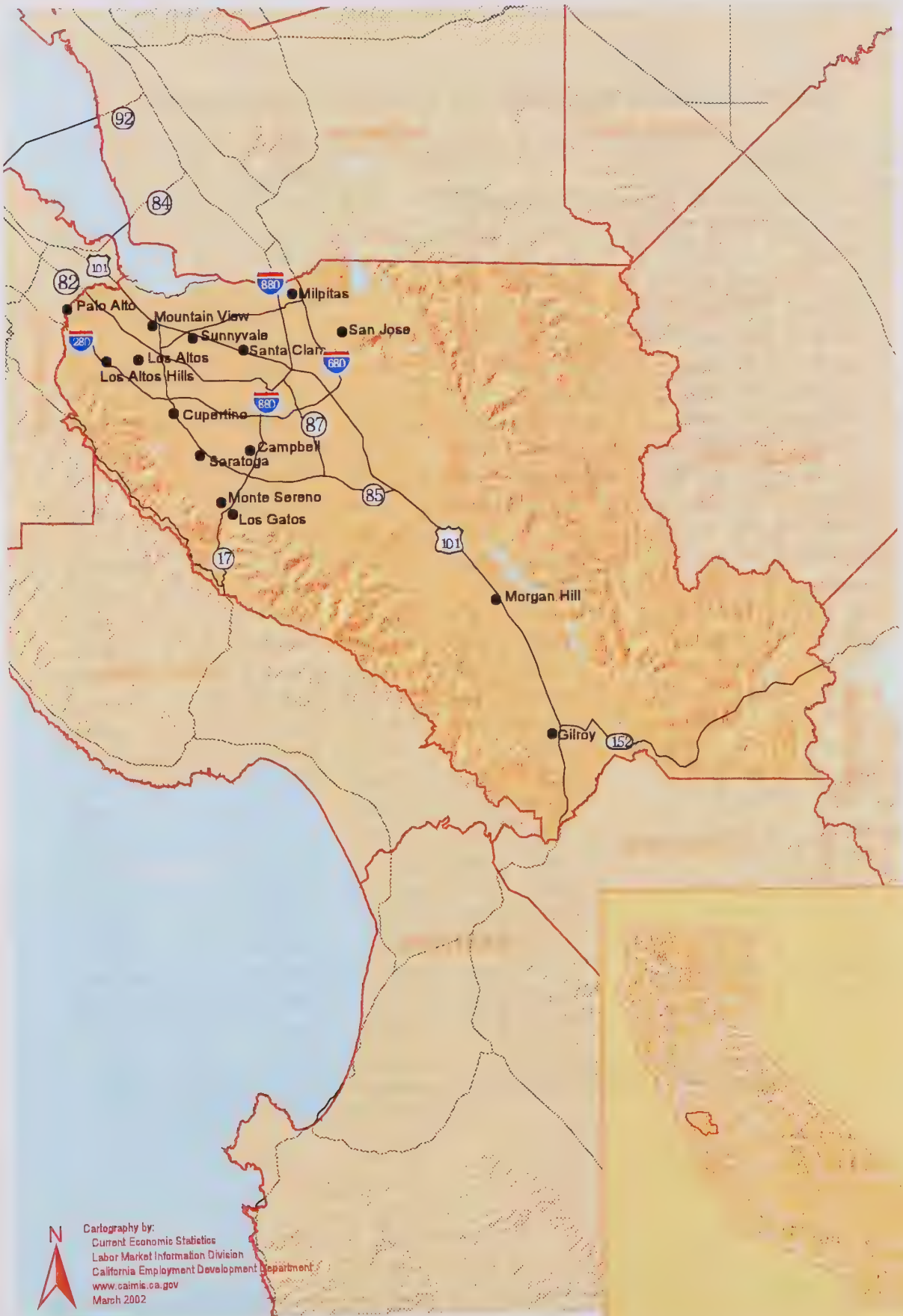
(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

Santa Clara County



Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us — **24 hours a day, seven days a week!**

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

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Module B: LABOR FORCE

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Labor Force

Labor Force statistics are derived from the monthly Current Population Survey (CPS) of households conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles County, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time-off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally adjusted" labor force data for the state and the nation to make a valid comparison.
- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of the seasonal changes in the area, such as outdoor activities, (i.e. construction), holiday hiring, school schedules, and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

You may want to consult the industry and occupational modules of this report for more information on economic conditions in the county, or speak with the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities in their counties.

Additional Sources of Information:

- Bureau of Labor Statistics,
Occupational Outlook Handbook
- California Association for Local
Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development
Organizations
- Newspapers

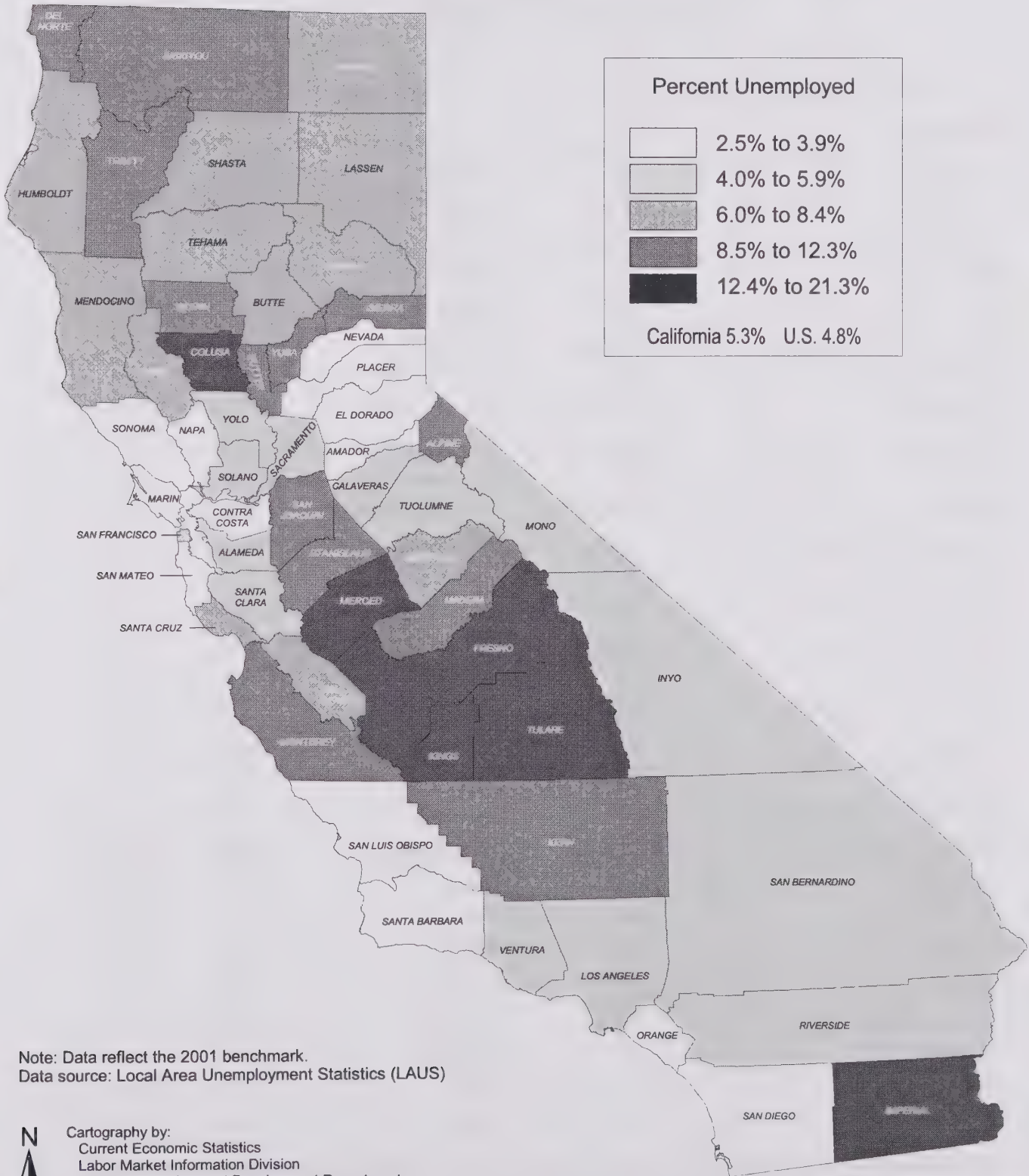
Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For additional information or technical assistance with the Labor Market Information Division's Internet website, please call (916) 262-2162 and select option #2. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162 or FAX (916) 262-2443.

County Unemployment Rates

2001 Annual Averages



Note: Data reflect the 2001 benchmark.
Data source: Local Area Unemployment Statistics (LAUS)



Cartography by:
Current Economic Statistics
Labor Market Information Division
California Employment Development Department
www.calmis.ca.gov
April 2002

United States, California and Counties
Unemployment Rates
2000, 2001 Annual Averages*

	2000	2001		2000	2001
U.S.	4.0	4.8			
CALIFORNIA	4.9	5.3			
Alameda	3.0	4.5	Orange	2.5	3.0
Alpine	8.2	9.0	Placer	3.2	3.6
Amador	8.4	3.9	Plumas	8.3	8.4
Butte	4.4	7.0	Riverside	5.5	5.2
Calaveras	7.0	5.9	Sacramento	4.2	4.2
Colusa	6.7	17.6	San Benito	7.8	8.2
Contra Costa	17.5	3.3	San Bernardino	4.8	4.8
Del Norte	2.7	8.7	San Diego	3.0	3.2
El Dorado	3.9	3.8	San Francisco	2.8	5.2
Fresno	14.3	13.7	San Joaquin	8.8	8.7
Glenn	11.9	11.2	San Luis Obispo	3.0	2.8
Humboldt	6.3	6.1	San Mateo	1.6	2.8
Imperial	26.3	21.3	Santa Barbara	3.7	3.5
Inyo	5.6	4.9	Santa Clara	2.0	4.5
Kern	11.3	10.5	Santa Cruz	5.6	6.1
Kings	14.0	13.8	Shasta	6.9	6.7
Lake	8.0	7.3	Sierra	7.7	9.7
Lassen	6.9	6.8	Siskiyou	9.5	9.4
Los Angeles	5.4	5.7	Solano	4.2	4.1
Madera	11.8	12.1	Sonoma	2.6	2.9
Marin	1.7	2.5	Stanislaus	10.4	10.2
Mariposa	7.8	6.3	Sutter	13.0	12.3
Mendocino	6.6	6.6	Tehama	6.9	6.4
Merced	14.4	14.0	Trinity	12.4	10.9
Modoc	8.3	7.0	Tulare	15.4	15.4
Mono	5.6	5.2	Tuolumne	6.0	5.5
Monterey	9.7	9.3	Ventura	4.5	4.5
Napa	3.2	3.3	Yolo	4.3	4.2
Nevada	3.6	3.7	Yuba	11.8	11.7

*March 2001 Benchmark figures.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)
Annual Averages 1987–2001

	Labor Force	Employment	Unemployment	Rate
2001	1,012,700	967,500	45,200	4.5%
2000	1,008,200	988,200	20,000	2.0%
1999	965,500	936,300	29,200	3.0%
1998	958,900	927,900	30,900	3.2%
1997	937,500	909,200	28,300	3.0%
1996	895,000	862,800	32,200	3.6%
1995	867,000	824,200	42,800	4.9%
1994	860,100	806,400	53,700	6.2%
1993	842,700	786,000	56,800	6.7%
1992	841,100	785,000	56,100	6.7%
1991	836,300	790,300	46,000	5.5%
1990	855,900	822,100	33,800	3.9%
1989	847,300	815,100	32,200	3.8%
1988	838,500	805,600	32,900	3.9%
1987	807,200	770,700	36,500	4.5%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)

		Labor Force	Employment	Unemployment	Rate
2001	January	1,024,000	1,006,600	17,400	1.7%
	February	1,022,200	1,003,400	18,700	1.8%
	March	1,025,000	1,002,800	22,200	2.2%
	April	1,005,800	978,200	27,600	2.7%
	May	1,005,300	971,400	33,900	3.4%
	June	1,010,600	965,900	44,700	4.4%
	July	1,022,400	969,000	53,400	5.2%
	August	1,021,200	961,900	59,300	5.8%
	September	1,003,500	940,500	62,900	6.3%
	October	1,014,200	944,200	70,000	6.9%
	November	1,002,800	933,200	69,700	6.9%
	December	995,100	932,700	62,400	6.3%
	Annual Average	1,012,700	967,500	45,200	4.5%
2000	January	981,200	956,300	24,900	2.5%
	February	984,900	961,100	23,900	2.4%
	March	996,000	973,800	22,200	2.2%
	April	988,100	967,600	20,500	2.1%
	May	995,100	974,900	20,200	2.0%
	June	1,008,300	986,000	22,300	2.2%
	July	1,028,000	1,005,400	22,600	2.2%
	August	1,029,100	1,009,500	19,600	1.9%
	September	1,015,200	997,300	17,900	1.8%
	October	1,023,600	1,007,100	16,600	1.6%
	November	1,022,500	1,007,100	15,400	1.5%
	December	1,026,000	1,012,600	13,500	1.3%
	Annual Average	1,008,200	988,200	20,000	2.0%
1999	January	959,500	923,400	36,000	3.8%
	February	959,700	925,800	33,900	3.5%
	March	962,800	930,400	32,400	3.4%
	April	956,200	925,500	30,700	3.2%
	May	954,600	926,100	28,500	3.0%
	June	960,100	928,300	31,800	3.3%
	July	976,100	944,500	31,700	3.2%
	August	977,100	948,800	28,300	2.9%
	September	963,500	936,500	27,000	2.8%
	October	972,100	946,400	25,700	2.6%
	November	971,500	947,800	23,700	2.4%
	December	973,200	952,100	21,100	2.2%
	Annual Average	965,500	936,300	29,200	3.0%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)

	Labor Force	Employment	Unemployment	Rate
1998 January	956,100	927,300	28,900	3.0%
February	959,500	930,800	28,700	3.0%
March	960,300	933,200	27,200	2.8%
April	954,400	926,900	27,500	2.9%
May	955,000	927,500	27,500	2.9%
June	958,900	928,200	30,800	3.2%
July	970,700	936,800	33,900	3.5%
August	969,200	934,700	34,500	3.6%
September	953,400	918,200	35,200	3.7%
October	958,500	924,000	34,500	3.6%
November	956,300	923,600	32,700	3.4%
December	953,900	924,000	29,900	3.1%
Annual Average	958,900	927,900	30,900	3.2%
1997 January	912,300	880,200	32,100	3.5%
February	918,100	887,400	30,700	3.3%
March	924,700	896,100	28,500	3.1%
April	922,700	894,300	28,400	3.1%
May	924,100	896,500	27,600	3.0%
June	938,500	909,200	29,400	3.1%
July	954,100	922,600	31,500	3.3%
August	954,500	925,600	28,800	3.0%
September	940,800	912,000	28,700	3.1%
October	952,800	926,300	26,500	2.8%
November	953,500	929,000	24,600	2.6%
December	954,300	931,100	23,200	2.4%
Annual Average	937,500	909,200	28,300	3.0%
1996 January	873,700	838,200	35,500	4.1%
February	878,900	844,100	34,900	4.0%
March	883,200	850,700	32,600	3.7%
April	878,600	847,000	31,600	3.6%
May	883,000	852,200	30,800	3.5%
June	892,100	859,700	32,500	3.6%
July	908,400	874,300	34,100	3.8%
August	909,700	877,300	32,500	3.6%
September	898,200	865,200	33,000	3.7%
October	910,900	878,900	31,900	3.5%
November	911,200	881,300	29,900	3.3%
December	912,200	884,800	27,300	3.0%
Annual Average	895,000	862,800	32,200	3.6%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)

	Labor Force	Employment	Unemployment	Rate
1995 January	853,500	803,000	50,500	5.9%
February	853,600	805,900	47,700	5.6%
March	857,600	812,100	45,500	5.3%
April	856,700	810,800	45,900	5.4%
May	858,700	814,100	44,600	5.2%
June	867,100	822,200	44,900	5.2%
July	880,800	833,200	47,600	5.4%
August	883,400	841,400	42,000	4.8%
September	866,700	827,200	39,500	4.6%
October	874,700	836,700	38,000	4.3%
November	876,400	840,600	35,800	4.1%
December	874,600	843,500	31,100	3.6%
Annual Average	867,000	824,200	42,800	4.9%
1994 January	861,200	800,500	60,800	7.1%
February	862,700	802,500	60,200	7.0%
March	861,000	804,900	56,100	6.5%
April	856,400	800,800	55,600	6.5%
May	858,800	803,200	55,700	6.5%
June	864,000	807,100	56,900	6.6%
July	874,400	815,500	58,900	6.7%
August	872,300	818,300	54,000	6.2%
September	854,600	803,800	50,800	5.9%
October	857,600	808,900	48,700	5.7%
November	852,300	807,000	45,200	5.3%
December	845,800	804,500	41,300	4.9%
Annual Average	860,100	806,400	53,700	6.2%
1993 January	842,600	786,000	56,600	6.7%
February	843,900	784,600	59,300	7.0%
March	838,000	781,600	56,300	6.7%
April	830,900	781,100	49,800	6.0%
May	835,900	781,000	54,900	6.6%
June	836,200	776,000	60,300	7.2%
July	856,900	790,500	66,400	7.7%
August	848,100	790,000	58,100	6.9%
September	835,500	777,300	58,200	7.0%
October	851,300	790,900	60,400	7.1%
November	847,200	795,400	51,800	6.1%
December	846,300	797,300	49,000	5.8%
Annual Average	842,700	786,000	56,800	6.7%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)

	Labor Force	Employment	Unemployment	Rate
1992 January	830,600	779,100	51,600	6.2%
February	830,300	776,300	54,000	6.5%
March	835,200	781,900	53,200	6.4%
April	820,800	767,200	53,600	6.5%
May	831,700	776,500	55,200	6.6%
June	846,300	784,000	62,300	7.4%
July	857,700	802,200	55,500	6.5%
August	861,500	802,200	59,300	6.9%
September	840,700	785,000	55,700	6.6%
October	838,100	781,000	57,000	6.8%
November	845,400	784,100	61,400	7.3%
December	854,700	799,900	54,700	6.4%
Annual Average	841,100	785,000	56,100	6.7%
1991 January	840,700	795,900	44,800	5.3%
February	841,000	795,300	45,700	5.4%
March	826,800	780,300	46,500	5.6%
April	831,400	786,400	44,900	5.4%
May	827,700	781,400	46,300	5.6%
June	830,700	778,800	51,900	6.2%
July	841,800	790,500	51,300	6.1%
August	846,500	802,400	44,100	5.2%
September	832,900	787,600	45,300	5.4%
October	837,300	790,800	46,500	5.6%
November	837,400	795,100	42,300	5.1%
December	841,100	798,900	42,100	5.0%
Annual Average	836,300	790,300	46,000	5.5%
1990 January	858,500	829,000	29,500	3.4%
February	861,300	831,400	29,900	3.5%
March	860,700	831,700	29,000	3.4%
April	856,600	825,500	31,100	3.6%
May	858,000	825,900	32,100	3.7%
June	861,700	826,000	35,700	4.1%
July	874,800	837,600	37,100	4.2%
August	875,800	842,000	33,800	3.9%
September	836,000	801,300	34,700	4.1%
October	846,700	809,600	37,000	4.4%
November	844,600	805,900	38,700	4.6%
December	836,300	799,600	36,700	4.4%
Annual Average	855,900	822,100	33,800	3.9%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Santa Clara County
(San Jose Metropolitan Statistical Area)
Civilian Labor Force, Employment and Unemployment
(2001 Benchmark)

	Labor Force	Employment	Unemployment	Rate
1989 January	851,900	818,200	33,700	4.0%
February	845,200	811,700	33,500	4.0%
March	843,300	813,700	29,600	3.5%
April	838,200	805,000	33,200	4.0%
May	845,500	811,600	33,900	4.0%
June	847,900	810,700	37,200	4.4%
July	870,300	831,900	38,400	4.4%
August	865,300	834,600	30,700	3.6%
September	849,600	817,400	32,200	3.8%
October	854,900	825,000	29,900	3.5%
November	834,200	806,400	27,800	3.3%
December	821,000	794,400	26,600	3.2%
Annual Average	847,300	815,100	32,200	3.8%
1988 January	814,200	782,100	32,100	3.9%
February	813,500	780,100	33,400	4.1%
March	810,300	778,100	32,200	4.0%
April	832,400	800,800	31,600	3.8%
May	835,300	798,200	37,100	4.4%
June	841,300	806,000	35,300	4.2%
July	857,800	820,600	37,200	4.3%
August	851,400	817,200	34,200	4.0%
September	841,100	809,900	31,200	3.7%
October	846,800	816,400	30,400	3.6%
November	857,400	824,600	32,800	3.8%
December	860,400	832,600	27,800	3.2%
Annual Average	838,500	805,600	32,900	3.9%
1987 January	798,800	750,800	48,000	6.0%
February	809,700	766,900	42,800	5.3%
March	806,900	766,800	40,100	5.0%
April	807,700	772,100	35,600	4.4%
May	806,800	771,500	35,300	4.4%
June	805,400	768,700	36,700	4.6%
July	819,400	781,700	37,700	4.6%
August	810,600	777,100	33,500	4.1%
September	796,200	762,400	33,800	4.2%
October	801,100	767,700	33,400	4.2%
November	813,100	780,700	32,400	4.0%
December	810,500	782,300	28,200	3.5%
Annual Average	807,200	770,700	36,500	4.5%

Note: The unemployment rate is calculated using unrounded data. Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

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Module C: Wage and Salary

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Wage and Salary Employment

Industry employment data reflect jobs by “place of work” and by broad industry categories. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in a county or Metropolitan Statistical Area (MSA) that pay wages and salaries are counted, although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, and hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, referred to as “Benchmark data,” are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Classification

Formerly, industry employment data were coded using the Standard Industrial Classification (SIC) system. In 1998, California began to transition from SIC to the new North American Industry Classification System (NAICS).

NAICS is the product of a cooperative effort on the part of the statistical agencies of the United States, Canada, and Mexico. It uses a production-oriented approach to categorize economic units. Units with similar production processes are classified in the same industry. NAICS focuses on how products and services are created, as opposed to SIC which focuses on what is produced. Using NAICS yields significantly different industry groupings than those produced using SIC. Due to these differences, NAICS data will not be directly comparable to the SIC-based data for earlier years.

Many programs within EDD produce or use data by industry, but some of these programs have not

yet transitioned from SIC to NAICS. For example, while the official estimates of employment by industry (also known as the Current Employment Statistics or CES program) began publishing data by NAICS with the release of Benchmark and monthly average data in February of 2003, the projections of employment by industry and occupation will not incorporate NAICS codes until the release of the 2002–2012 data (anticipated release in late 2003 or early 2004).

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county’s economy as a whole; at one industry; and/or at related industries for a firm’s suppliers or for potential markets.

Points to Consider

Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.

Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.

Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's website, please call (916) 262-2162. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Total, All Industries	1,035,000	1,008,100	913,800
Total Farm	5,000	4,600	4,500
Total Nonfarm	1,030,000	1,003,500	909,300
Total Private	935,400	908,900	811,400
Goods Producing	299,300	288,600	246,700
Natural Resources and Mining	200	200	300
Construction	47,400	47,800	42,900
Residual-Building, Develop & Gen Cont & Hvy Const	11,900	12,400	12,100
Specialty Trade Contractors	35,600	35,400	30,800
Building Equipment Contractors	16,200	15,800	13,400
Building Finishing Contractors	10,600	10,800	9,300
Residual-Other Specialty Trade Contract	8,700	8,800	8,100
Manufacturing	251,700	240,600	203,600
Durable Goods	232,100	222,700	187,700
Fabricated Metal Product Mfg	15,600	12,900	9,200
Machinery Manufacturing	19,000	19,600	16,300
Industrial Machinery Manufacturing	7,900	8,900	8,000
Commercial and Service Industry Manufacturing	7,900	7,600	5,700
ResidualOther General Purpose Machinery Manufacturing	3,300	3,100	2,700
Computer and Electronic Product Manufacturing	172,400	166,300	139,500
Computer and Peripheral Equipment Manufacturing	47,200	45,700	38,400
Electronic Computer Manufacturing	38,900	38,200	32,200
ResidualOther Computer and Peripheral Equipment Mfg	8,300	7,500	6,200
Audio and Video Equipment Manufacturing	15,700	15,000	11,000
Semiconductor and Electronic Component Manufacturing	75,000	71,700	60,700
Bare Printed Circuit Board Manufacturing	18,100	14,900	9,300
Semiconductor and Related Devices Manufacturing	43,400	42,500	37,400
ResidualOther Semiconductor and Electronic Component Mfg	13,400	14,200	14,100
Electronic Instrument Manufacturing	30,900	30,900	26,500
Magnetic Media Manufacturing and Reproducing	3,700	3,100	2,900
Transportation Equipment Manufacturing	10,800	9,600	9,500
Residual-Motor Vehicle Manufacturing	2,100	1,600	1,300
Aerospace Product and Parts Manufacturing	8,700	8,000	8,200
Residual-Miscellaneous Manufacturing	14,300	14,300	13,200
Nondurable Goods	19,600	17,800	15,900
Food Manufacturing	4,100	4,000	3,900
Residual-Beverage and Tobacco Product Mfg	10,100	8,600	7,100
Chemical Manufacturing	5,400	5,300	5,000
Service Providing	730,600	714,900	662,600
Trade, Transportation and Utilities	150,400	145,200	134,600
Wholesale Trade	42,200	40,700	36,300
Merchant Wholesalers, Durable Goods	30,400	30,100	26,300
Residual-Merchant Wholesalers, Nondurable Goods	11,900	10,600	10,000

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Retail Trade	90,600	88,200	82,900
Electronics and Appliance Stores	10,900	9,300	7,600
Building Material and Garden Equipment Stores	5,700	5,700	6,200
Food and Beverage Stores	15,700	16,000	15,900
Health and Personal Care Stores	5,300	5,400	5,000
Clothing and Clothing Accessories Stores	8,800	9,000	8,600
Sporting Goods, Hobby, Book and Music Stores	5,600	5,200	5,100
General Merchandise Stores	13,100	12,500	11,900
Residual-Miscellaneous Store Retailers	25,600	25,200	22,600
Transportation, Warehousing and Utilities	17,500	16,300	15,300
Utilities	2,100	2,000	1,900
Transportation and Warehousing	15,500	14,400	13,500
Residual-Air Transportation	11,600	10,700	10,300
Couriers and Messengers	3,800	3,700	3,200
Information	42,700	41,900	34,100
Publishing Industries (except Internet)	14,100	14,100	12,000
Newspaper, Periodical, Book and Directory Publishers	3,400	3,400	3,000
Software Publishers	10,700	10,700	9,000
Residual-Motion Picture and Sound Recording	4,700	4,300	4,200
Telecommunications	8,300	7,500	5,900
Internet Service Providers, Web Search Portals and Data Processing	15,600	15,900	11,900
Internet Service Providers and Web Search Portals	12,900	12,600	9,200
Data Processing, Hosting and Related Services	2,600	3,300	2,700
Financial Activities	34,000	35,200	34,900
Finance and Insurance	18,800	19,600	19,700
Credit Intermediation and Related Activities	10,000	10,200	10,600
Residual-Securities, Commodity Contracts and Investments	3,400	4,300	4,100
Insurance Carriers and Related	5,400	5,200	5,000
Real Estate and Rental and Leasing	15,200	15,600	15,200
Real Estate	10,400	10,800	10,800
Residual-Rental and Leasing Services	4,800	4,800	4,500
Professional and Business Services	225,800	210,000	172,500
Professional, Scientific and Technical Services	127,400	127,100	106,200
Legal Services	9,400	9,800	9,000
Accounting, Tax Preparation and Bookkeeping Services	6,400	6,500	6,000
Architectural, Engineering and Related Services	20,500	19,100	15,800
Computer Systems Design and Related Services	57,100	58,100	45,600
Scientific Research and Development Services	18,500	19,000	17,400
residual-Other Professional, Scientific and Technical Services	15,500	14,600	12,300
Management of Companies and Enterprises	21,700	20,100	16,400

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2000–2002 Annual Averages*

Industry Title	2000	2001	2002
Administrative and Support and Waste Services	76,700	62,800	49,900
Administrative and Support Services	74,600	60,700	47,500
Employment Services	42,700	27,700	18,700
Investigation and Security Services	8,000	7,500	6,800
Services to Buildings and Dwellings	15,200	16,300	15,000
Residual-Other Support Services	8,800	9,300	7,100
Waste Management and Remediation Services	2,000	2,100	2,400
Educational and Health Services	85,200	89,800	93,200
Educational Services	23,800	25,800	27,000
Residual-Elementary and Secondary Schools	8,500	7,600	7,600
Colleges, Universities and Professional Schools	15,200	18,200	19,500
Health Care and Social Assistance	61,500	63,900	66,200
Ambulatory Health Care Services	25,800	26,500	27,800
Offices of Physicians	11,600	12,100	12,600
Residual-Other Ambulatory Health Care Services	14,200	14,500	15,300
Hospitals	17,400	18,000	18,400
Nursing and Residential Care Facilities	8,800	9,500	10,200
Social Assistance	9,500	9,900	9,800
Leisure and Hospitality	71,400	72,000	69,100
Arts, Entertainment, and Recreation	10,300	10,300	10,800
Accommodation and Food Service	61,100	61,700	58,300
Accommodation	8,500	8,600	7,600
Food Services and Drinking Places	52,600	53,100	50,700
Residual-Full-Service Restaurants	31,400	31,600	29,900
Limited-Service Eating Places	21,200	21,500	20,800
Other Services	26,700	26,300	26,300
Repair and Maintenance	8,600	8,700	8,500
Personal and Laundry Services	18,200	17,500	17,800
Government	94,500	94,600	97,900
Federal Government	11,700	10,400	10,000
Other Federal Government	10,600	9,400	9,100
Department of Defense	1,100	1,000	1,000
State and Local Government	82,900	84,300	87,800
State Government	7,700	7,800	8,100
State Government Education	4,100	4,100	4,400
Other State Government	3,600	3,700	3,700
Local Government	75,200	76,500	79,700
Local Government Education	41,700	41,900	43,400
County	15,800	16,300	17,400
City	14,000	14,500	15,000
Other Local Government	3,700	3,800	3,900

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	989,800	998,700	1,013,300	1,013,900	1,027,300	1,042,800	1,047,400	1,049,500	1,052,200	1,053,800	1,060,800	1,070,200	1,035,000
Total Farm	3,900	3,900	4,000	4,500	4,900	5,400	5,600	6,100	6,300	6,400	4,900	4,200	5,000
Total Nonfarm	985,900	994,800	1,009,300	1,009,400	1,022,400	1,037,400	1,041,800	1,043,400	1,045,900	1,047,400	1,055,900	1,066,000	1,030,000
Total Private	892,000	901,200	913,600	914,000	925,900	938,000	946,500	953,300	956,200	952,600	960,700	971,200	935,400
Goods Producing	281,700	284,200	288,600	289,800	293,200	299,100	303,100	306,700	309,600	309,900	311,900	314,100	299,300
Natural Resources and Mining	200	200	200	200	200	200	200	200	200	200	200	300	200
Construction	43,600	43,700	44,900	45,300	46,200	47,600	48,500	49,300	50,300	49,900	50,100	49,800	47,400
Residual-Building, Develop & Gen Cont & Hvy Const	11,200	11,100	11,400	11,300	11,500	12,000	11,900	12,200	12,400	12,400	12,400	12,500	11,900
Specialty Trade Contractors	32,400	32,600	33,500	34,000	34,700	35,600	36,600	37,100	37,900	37,500	37,700	37,300	35,600
Building Equipment Contractors	14,900	14,900	15,200	15,400	15,700	16,000	16,900	17,000	17,100	17,200	17,300	17,300	16,200
Building Finishing Contractors	9,700	9,700	10,100	10,000	10,200	10,500	10,700	11,100	11,700	11,100	11,300	11,100	10,600
Residual-Other Specialty Trade Contract	7,800	8,000	8,200	8,600	8,800	9,100	9,000	9,000	9,100	9,200	9,100	8,900	8,700
Manufacturing	237,900	240,300	243,500	244,300	246,800	251,300	254,400	257,200	259,100	259,800	261,600	264,000	251,700
Durable Goods	218,200	220,600	223,700	224,800	227,300	231,600	235,000	237,500	239,500	240,300	242,200	244,600	232,100
Fabricated Metal Product Mfg	14,000	14,300	14,700	14,600	14,800	15,400	16,100	16,200	16,400	16,600	16,800	17,000	15,600
Machinery Manufacturing	16,600	17,000	17,500	17,900	18,300	19,000	19,200	19,700	20,200	20,500	21,100	21,500	19,000
Industrial Machinery Manufacturing	6,900	7,000	7,200	7,200	7,500	7,800	7,900	8,200	8,400	8,500	8,700	9,000	7,900
Commercial and Service Industry Manufacturing	6,500	6,800	7,100	7,400	7,600	7,800	8,000	8,200	8,500	8,700	9,100	9,200	7,900
Residual-Other General Purpose Machinery Manufacturing	3,200	3,200	3,200	3,300	3,200	3,400	3,300	3,300	3,300	3,300	3,300	3,300	3,200
Computer and Electronic Product Manufacturing	163,200	164,500	166,500	167,500	169,500	172,400	174,600	176,500	177,500	177,600	178,600	180,400	173,400
Computer and Peripheral Equipment Manufacturing	45,200	45,200	46,500	46,400	46,800	47,700	47,900	48,100	48,200	47,900	48,200	48,200	47,200
Electronic Computer Manufacturing	36,800	36,900	38,300	38,000	38,600	39,200	39,500	39,600	39,700	39,800	40,100	40,200	38,900
Residual-Other Computer and Peripheral Equipment Mfg	8,400	8,300	8,200	8,400	8,200	8,500	8,400	8,500	8,500	8,100	8,100	8,000	8,300
Residual-Audio and Video Equip Mfg	14,500	14,700	14,500	14,600	15,300	15,600	15,700	16,300	16,500	16,400	16,700	17,000	15,700
Semiconductor and Electronic Component Manufacturing	69,600	70,500	71,400	72,100	73,100	74,600	76,200	77,100	78,200	78,200	78,800	80,100	75,000
Bare Printed Circuit Board Manufacturing	16,300	16,700	17,100	17,200	17,500	17,900	18,300	18,600	19,100	19,400	19,600	19,900	18,100
Semiconductor and Related Devices Manufacturing	42,000	42,400	42,700	41,500	42,300	43,300	43,700	44,100	44,800	44,400	44,600	45,400	43,400
Residual-Other Semiconductor and Electronic Component Mfg	11,300	11,400	11,600	13,400	13,300	13,400	14,200	14,400	14,300	14,400	14,600	14,800	13,400
Electronic Instrument Manufacturing	30,100	30,300	30,400	30,800	30,600	30,800	31,100	31,300	30,900	31,600	31,500	31,600	30,900
Magnetic Media Manufacturing and Reproducing	3,800	3,800	3,700	3,600	3,700	3,700	3,700	3,700	3,700	3,500	3,400	3,500	3,700

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Transportation Equipment Manufacturing	11,600	11,500	11,400	10,900	10,700	10,500	10,600	10,400	10,400	10,400	10,400	10,200	10,800
Residual-Motor Vehicle Manufacturing	2,200	2,300	2,100	2,000	2,100	2,100	2,100	2,100	2,100	2,000	2,000	1,800	2,100
Aerospace Product and Parts Manufacturing	9,400	9,200	9,300	8,900	8,600	8,400	8,500	8,300	8,300	8,400	8,400	8,400	8,700
Residual-Miscellaneous Manufacturing	12,800	13,300	13,600	13,900	14,000	14,300	14,500	14,700	15,000	15,200	15,300	15,500	14,300
Nondurable Goods	19,700	19,700	19,800	19,500	19,500	19,700	19,400	19,700	19,600	19,500	19,400	19,400	19,600
Food Manufacturing	4,100	4,000	4,100	4,000	3,900	4,100	4,000	4,100	4,200	4,200	4,200	4,200	4,100
Residual-Beverage and Tobacco Product Mfg	10,200	10,200	10,300	10,000	10,200	10,200	10,100	10,300	10,000	9,900	9,800	9,800	10,100
Chemical Manufacturing	5,400	5,500	5,400	5,500	5,400	5,400	5,300	5,300	5,400	5,400	5,400	5,400	5,400
Service Providing	704,200	710,600	720,700	719,600	729,200	738,300	738,700	736,700	736,300	737,500	744,000	751,900	730,600
Trade, Transportation and Utilities	149,300	148,200	148,800	148,200	148,900	149,600	150,600	150,900	150,900	149,700	153,100	156,300	150,400
Wholesale Trade	42,400	42,600	42,600	42,500	42,600	42,400	42,400	42,300	42,000	41,900	41,600	41,400	42,200
Merchant Wholesalers, Durable Goods	30,100	30,200	30,400	29,800	29,900	30,200	30,400	30,700	30,800	30,300	30,700	30,900	30,400
Residual-Merchant Wholesalers, Nondurable Goods	12,300	12,400	12,200	12,700	12,700	12,200	12,000	11,600	11,200	11,600	10,900	10,500	11,900
Retail Trade	89,900	88,600	89,100	88,100	88,900	89,600	90,600	90,800	91,200	90,100	93,700	96,900	90,600
Electronics and Appliance Stores	10,600	10,700	10,700	10,600	10,800	10,900	10,900	11,000	10,900	10,900	11,000	11,200	10,900
Building Material and Garden Equipment Stores	5,400	5,400	5,500	5,700	5,800	5,900	5,900	5,900	5,900	5,600	5,600	5,700	5,700
Food and Beverage Stores	15,500	15,400	15,900	15,400	15,500	15,500	16,100	15,700	15,900	15,600	16,000	15,900	15,700
Health and Personal Care Stores	5,000	5,000	5,000	5,200	5,200	5,300	5,300	5,300	5,300	5,400	5,600	5,900	5,300
Clothing and Clothing Accessories Stores	8,900	8,400	8,300	8,100	8,200	8,400	8,900	9,100	8,800	8,600	9,300	10,100	8,900
Sporting Goods, Hobby, Book and Music Stores	5,500	5,500	5,600	5,500	5,500	5,400	5,300	5,400	5,600	5,600	6,000	6,200	5,600
General Merchandise Stores	13,900	13,000	12,500	12,400	12,700	12,700	12,500	12,600	12,800	12,700	14,400	15,300	13,100
Residual-Miscellaneous Store Retailers	25,100	25,200	25,600	25,200	25,200	25,500	25,700	25,800	26,000	25,700	25,800	26,600	25,600
Transportation, Warehousing and Utilities	17,000	17,000	17,100	17,600	17,400	17,600	17,600	17,800	17,700	17,700	17,800	18,000	17,500
Utilities	2,000	2,000	1,900	2,000	2,000	2,000	2,000	2,200	2,100	2,100	2,100	2,200	2,100
Transportation and Warehousing	15,000	15,000	15,200	15,600	15,400	15,600	15,600	15,600	15,600	15,600	15,700	15,800	15,500
Residual-Air Transportation	11,200	11,200	11,500	11,600	11,500	11,900	11,700	11,800	11,900	11,800	11,800	11,800	11,600
Couriers and Messengers	3,800	3,800	3,700	4,000	3,900	3,700	3,900	3,800	3,700	3,800	3,900	4,000	3,800
Information	36,800	37,600	39,100	40,000	41,400	43,000	44,100	44,900	45,500	46,000	46,500	47,000	42,700
Publishing Industries (except Internet)	13,200	13,400	13,700	13,500	13,700	14,100	14,000	14,200	14,300	14,700	14,800	15,200	14,100
Newspaper, Periodical, Book and Directory Publishers	3,300	3,400	3,500	3,400	3,500	3,600	3,300	3,300	3,300	3,400	3,500	3,500	3,400
Software Publishers	9,900	10,000	10,200	10,100	10,200	10,500	10,700	10,900	11,000	11,300	11,300	11,700	10,700

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Residual-Motion Picture and Sound Recording	4,000	4,000	4,300	4,200	4,500	4,900	5,000	5,000	5,100	5,100	5,100	5,100	4,700
Telecommunications	8,200	8,100	8,200	8,100	8,200	8,200	8,300	8,400	8,500	8,500	8,600	8,700	8,300
Internet Service Providers, Web Search Portals and Data Processing	11,400	12,100	12,900	14,200	15,000	15,800	16,800	17,300	17,600	17,700	18,000	18,000	15,600
Internet Service Providers and Web Search Portals	9,300	10,000	10,700	11,700	12,400	13,100	13,900	14,400	14,600	15,000	15,100	15,100	12,800
Data Processing, Hosting and Related Services	2,100	2,100	2,200	2,500	2,600	2,700	2,900	2,900	3,000	2,700	2,900	2,900	2,600
Financial Activities	33,300	33,700	33,900	33,800	33,800	34,200	34,300	34,100	34,000	34,000	34,200	34,400	34,000
Finance and Insurance	18,400	18,600	18,800	18,700	18,700	18,900	19,000	18,800	18,800	18,900	19,000	19,000	18,800
Credit Intermediation and Related Activities	10,000	10,000	10,000	10,100	10,000	10,100	9,900	9,900	10,000	9,900	10,000	9,900	10,000
Residual-Securities, Commodity Contracts and Investments	2,900	3,000	3,200	3,200	3,300	3,500	3,700	3,500	3,500	3,800	3,800	3,900	3,400
Insurance Carriers and Related	5,500	5,600	5,600	5,400	5,400	5,300	5,400	5,400	5,300	5,200	5,200	5,200	5,400
Real Estate and Rental and Leasing	14,900	15,100	15,100	15,100	15,100	15,300	15,300	15,300	15,200	15,100	15,200	15,400	15,200
Real Estate	10,100	10,300	10,300	10,300	10,400	10,400	10,300	10,300	10,300	10,400	10,500	10,600	10,400
Residual-Rental and Leasing Services	4,800	4,800	4,800	4,800	4,700	4,900	5,000	5,000	4,900	4,700	4,700	4,800	4,800
Professional and Business Services	212,000	216,100	219,500	218,100	222,900	228,200	229,400	232,600	232,600	230,100	232,400	235,500	225,800
Professional, Scientific and Technical Services	116,000	118,600	121,200	123,100	125,300	128,600	130,500	131,900	131,900	132,200	133,900	135,700	127,400
Legal Services	8,900	8,900	9,100	9,000	9,200	9,600	9,700	9,700	9,500	9,700	9,700	9,900	9,400
Accounting, Tax Preparation and Bookkeeping Services	6,100	6,600	6,800	6,700	6,100	6,000	6,000	6,300	6,400	6,300	6,400	6,800	6,400
Architectural, Engineering and Related Services	19,500	19,700	20,100	20,200	20,700	20,800	21,000	20,700	20,700	20,700	20,900	20,900	20,500
Computer Systems Design and Related Services	49,100	50,700	52,200	53,800	55,700	58,000	59,000	60,300	60,700	60,900	61,800	62,500	57,100
Scientific Research and Development Services	18,000	18,100	18,300	18,200	18,400	18,600	19,100	18,800	18,500	18,700	18,800	19,000	18,500
Residual-Other Professional, Scientific and Technical Services	14,400	14,600	14,700	15,200	15,200	15,600	15,700	16,100	16,100	15,900	16,300	16,600	15,500
Management of Companies and Enterprises	22,000	21,800	21,700	21,500	21,600	21,800	21,900	21,900	22,000	21,200	21,400	21,900	21,700
Administrative and Support and Waste Services	74,000	75,700	76,600	73,500	76,000	77,800	77,000	78,800	78,700	76,700	77,100	77,900	76,700
Administrative and Support Services	72,000	73,700	74,600	71,600	74,000	75,800	75,000	76,800	76,700	74,600	75,000	75,800	74,600
Employment Services	40,800	42,100	42,600	39,700	42,000	43,300	42,900	44,500	44,500	42,900	43,300	44,000	42,700
Investigation and Security Services	8,300	8,400	8,500	7,900	8,000	8,000	8,200	8,200	8,000	7,400	7,400	7,400	8,000
Services to Buildings and Dwellings	14,600	14,800	14,900	15,200	15,300	15,600	15,200	15,400	15,400	15,200	15,100	15,200	15,200
Residual-Other Support Services	8,300	8,400	8,600	8,800	8,700	8,900	8,700	8,700	8,800	9,100	9,200	9,200	8,800
Waste Management and Remediation Services	2,000	2,000	2,000	1,900	2,000	2,000	2,000	2,000	2,000	2,100	2,100	2,100	2,000
Educational and Health Services	86,400	86,900	86,900	85,800	86,500	83,700	83,300	82,300	82,600	85,400	86,000	86,700	85,200
Educational Services	24,700	25,100	24,900	24,200	25,100	24,200	21,700	20,800	21,000	23,900	24,600	24,800	23,800
Residual-Elementary and Secondary Schools	8,500	8,700	8,500	8,600	8,600	8,600	8,300	8,000	8,700	8,500	8,500	8,700	8,500
Colleges, Universities and Professional Schools	16,200	16,400	16,400	15,600	16,500	15,600	13,400	12,800	12,300	15,400	16,100	16,100	15,200

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2000*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Health Care and Social Assistance	61,700	61,800	62,000	61,600	61,400	59,500	61,600	61,500	61,600	61,500	61,400	61,900	61,500
Ambulatory Health Care Services	25,700	25,800	25,900	25,800	25,900	26,000	25,600	25,600	25,700	25,800	25,800	26,200	25,800
Offices of Physicians	11,500	11,600	11,600	11,500	11,500	11,500	11,400	11,500	11,500	11,800	11,800	11,900	11,600
Residual-Other Ambulatory Health Care Services	14,200	14,200	14,300	14,300	14,400	14,500	14,200	14,100	14,200	14,000	14,000	14,300	14,200
Hospitals	17,900	17,800	17,900	17,700	17,500	15,500	17,500	17,500	17,600	17,500	17,400	17,500	17,400
Nursing and Residential Care Facilities	8,700	8,700	8,700	8,700	8,600	8,600	9,000	8,900	8,800	8,700	8,800	8,800	8,800
Social Assistance	9,400	9,500	9,500	9,400	9,400	9,400	9,500	9,500	9,500	9,500	9,400	9,400	9,500
Leisure and Hospitality	66,700	68,300	70,200	71,400	72,300	72,900	74,300	74,400	74,100	71,300	70,400	70,400	71,400
Arts, Entertainment, and Recreation	8,200	8,800	9,600	10,600	11,100	11,200	11,600	11,700	11,600	10,500	9,800	9,100	10,300
Accommodation and Food Service	58,500	59,500	60,600	60,800	61,200	61,700	62,700	62,700	62,500	60,800	60,600	61,300	61,100
Accommodation	7,900	8,100	8,300	8,300	8,400	8,700	8,800	8,800	8,800	8,400	8,400	8,500	8,500
Food Services and Drinking Places	50,600	51,400	52,300	52,500	52,800	53,000	53,900	53,900	53,700	52,400	52,200	52,900	52,600
Residual-Full-Service Restaurants	30,200	30,700	31,200	31,400	31,500	31,600	32,200	32,200	32,100	31,200	31,000	31,400	31,400
Limited-Service Eating Places	20,400	20,700	21,100	21,100	21,300	21,400	21,700	21,700	21,600	21,200	21,200	21,500	21,200
Other Services	25,800	26,200	26,600	26,900	26,900	27,300	27,400	27,400	26,900	26,200	26,200	26,800	26,700
Repair and Maintenance	8,200	8,200	8,500	8,600	8,600	8,700	8,800	8,900	8,900	8,500	8,400	8,400	8,600
Personal and Laundry Services	17,600	18,000	18,100	18,300	18,300	18,600	18,600	18,500	18,000	17,700	17,800	18,400	18,200
Government	93,900	93,600	95,700	95,400	96,500	99,400	95,300	90,100	89,700	94,800	95,200	94,800	94,500
Federal Government	11,500	11,500	11,700	11,300	12,700	14,000	11,900	12,500	10,700	10,600	10,600	10,800	11,700
Other Federal Government	10,400	10,400	10,600	10,200	11,600	12,900	10,900	11,500	9,700	9,600	9,600	9,800	10,600
Department of Defense	1,100	1,100	1,100	1,100	1,100	1,100	1,000	1,000	1,000	1,000	1,000	1,000	1,100
State and Local Government	82,400	82,100	84,000	84,100	83,800	85,400	83,400	77,600	79,000	84,200	84,600	84,000	82,900
State Government	7,800	7,300	7,900	7,900	8,000	8,000	7,200	7,100	7,100	7,800	8,000	8,000	7,700
State Government Education	4,300	3,800	4,400	4,400	4,500	4,400	3,600	3,500	3,500	4,200	4,400	4,400	4,100
Other State Government	3,500	3,500	3,500	3,500	3,500	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,600
Local Government	74,600	74,800	76,100	76,200	75,800	77,400	76,200	70,500	71,900	76,400	76,600	76,000	75,200
Local Government Education	41,800	41,900	43,200	43,300	42,800	42,600	41,000	36,300	38,700	43,200	43,300	42,800	41,700
County	15,600	15,700	15,700	15,700	15,600	15,700	15,700	15,800	15,800	15,900	15,900	15,900	15,800
City	13,800	13,800	13,800	13,800	14,000	14,200	14,600	14,800	13,900	13,800	13,900	13,800	14,000
Other Local Government	3,400	3,400	3,400	3,400	3,400	4,900	4,900	3,600	3,500	3,500	3,500	3,500	3,700

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	1,044,600	1,047,700	1,052,400	1,034,300	1,029,700	1,026,600	1,005,100	994,000	977,900	967,700	959,400	957,400	1,006,100
Total Farm	3,700	3,700	4,000	4,100	4,200	4,700	5,400	5,800	5,700	5,300	4,700	4,100	4,600
Total Nonfarm	1,040,900	1,044,000	1,048,400	1,030,200	1,025,500	1,021,900	999,700	988,200	972,200	962,400	954,700	953,300	1,001,500
Total Private	947,600	950,200	953,700	935,200	929,200	926,500	906,800	897,700	879,700	866,200	857,300	856,100	908,900
Goods Producing	306,600	306,700	305,600	300,700	297,100	295,100	287,900	283,900	277,400	271,900	265,900	263,800	286,600
Natural Resources and Mining	200	200	200	200	200	200	200	200	200	200	200	200	200
Construction	49,100	48,900	49,500	49,000	48,800	49,000	48,200	48,500	47,000	46,200	45,200	44,200	47,800
Residual-Building, Develop & Gen Cont & Hvy Const	12,200	12,200	12,500	12,700	12,600	12,800	12,800	12,700	12,500	12,300	12,100	11,900	12,400
Specialty Trade Contractors	36,900	36,700	37,000	36,300	36,200	36,200	35,400	35,800	34,500	33,900	33,100	32,300	35,400
Building Equipment Contractors	17,300	16,900	16,700	16,300	16,100	16,200	15,700	15,500	15,000	14,900	14,600	14,400	15,800
Building Finishing Contractors	11,000	11,100	11,400	11,300	11,100	10,900	10,800	11,200	10,600	10,100	9,900	9,600	10,800
Residual-Other Specialty Trade Contract	8,600	8,700	8,900	8,700	9,000	9,100	8,900	9,100	8,900	8,900	8,600	8,300	8,800
Manufacturing	257,300	257,600	255,900	251,500	248,100	245,900	239,500	235,200	230,200	225,500	220,500	219,400	240,600
Durable Goods	239,100	239,300	237,700	233,300	230,000	227,700	221,200	217,000	212,300	208,500	203,900	202,800	222,700
Fabricated Metal Product Mfg	16,300	15,600	15,100	14,300	13,600	13,100	12,400	11,900	11,400	10,800	10,400	10,000	12,900
Machinery Manufacturing	21,300	21,300	20,600	20,700	20,600	20,300	19,000	19,000	18,400	18,500	18,100	17,900	19,600
Industrial Machinery Manufacturing	8,800	8,800	8,900	9,100	9,100	8,900	9,000	9,000	9,100	9,000	8,900	8,600	8,900
Commercial and Service Industry Manufacturing	9,100	9,100	8,300	8,300	8,200	8,100	7,000	6,900	6,400	6,600	6,400	6,400	7,600
ResidualOther General Purpose Machinery Manufacturing	3,400	3,400	3,400	3,300	3,300	3,300	3,000	3,100	2,900	2,900	2,800	2,900	3,100
Computer and Electronic Product Manufacturing	177,500	178,100	177,700	174,300	171,800	170,700	165,900	162,200	158,800	155,500	151,900	151,000	166,300
Computer and Peripheral Equipment Manufacturing	48,100	48,000	48,200	48,100	47,500	47,200	44,900	44,200	43,300	43,900	42,500	42,000	45,700
Electronic Computer Manufacturing	39,900	39,900	40,100	40,100	39,600	39,500	37,800	37,500	36,700	36,500	35,400	35,100	38,200
ResidualOther Computer and Peripheral Equipment Mfg	8,200	8,100	8,100	8,000	7,900	7,700	7,100	6,700	6,600	7,400	7,100	6,900	7,500
Residual-Audio and Video Equip Mfg	16,700	16,700	16,700	16,000	15,600	15,900	15,100	14,500	14,100	13,200	12,800	12,800	15,000
Semiconductor and Electronic Component Manufacturing	77,700	78,300	77,900	75,100	74,100	73,200	71,700	69,400	68,000	65,800	64,500	64,100	71,700
Bare Printed Circuit Board Manufacturing	18,700	18,600	18,400	15,900	15,600	15,200	14,700	13,300	13,200	12,100	11,600	11,600	14,900
Semiconductor and Related Devices Manufacturing	44,400	44,800	44,700	44,500	44,000	43,700	42,600	41,900	40,900	40,100	39,600	39,300	42,500
ResidualOther Semiconductor and Electronic Component Mfg	14,600	14,900	14,800	14,700	14,500	14,300	14,400	14,200	13,900	13,600	13,300	13,200	14,200
Electronic Instrument Manufacturing	31,700	31,900	31,800	32,100	31,600	31,400	31,100	31,000	30,300	29,500	29,100	29,100	30,900
Magnetic Media Manufacturing and Reproducing	3,300	3,200	3,100	3,000	3,000	3,000	3,100	3,100	3,100	3,100	3,000	3,000	3,100

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
 (Data Not Seasonally Adjusted)
 Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Transportation Equipment Manufacturing	9,600	9,500	9,500	9,500	9,400	9,400	9,500	9,600	9,600	9,700	9,700	9,800	9,600
Residual-Motor Vehicle Manufacturing	1,800	1,700	1,700	1,700	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,600
Aerospace Product and Parts Manufacturing	7,800	7,800	7,800	7,800	7,900	7,900	8,000	8,100	8,100	8,200	8,200	8,300	8,000
Residual-Miscellaneous Manufacturing	14,400	14,800	14,800	14,500	14,600	14,200	14,400	14,300	14,100	14,000	13,800	14,100	14,300
Nondurable Goods	18,200	18,300	18,200	18,200	18,100	18,200	18,300	18,200	17,900	17,000	16,600	16,600	17,800
Food Manufacturing	3,800	3,900	3,900	3,900	4,000	4,100	4,100	4,100	4,100	3,900	3,800	3,800	4,000
Residual-Beverage and Tobacco Product Mfg	9,100	9,100	9,000	8,900	8,700	8,700	8,800	8,800	8,600	8,000	7,700	7,700	8,600
Chemical Manufacturing	5,300	5,300	5,300	5,400	5,400	5,400	5,400	5,300	5,200	5,100	5,100	5,100	5,300
Service Providing	734,300	737,300	742,800	729,500	728,400	726,800	711,800	704,300	694,800	690,500	688,800	689,500	714,900
Trade, Transportation and Utilities	150,400	148,300	149,100	146,200	145,700	146,000	144,600	143,000	141,900	140,300	142,600	144,600	145,200
Wholesale Trade	42,200	42,300	42,600	41,300	40,900	40,700	40,700	40,500	39,900	39,300	38,800	38,700	40,700
Merchant Wholesalers, Durable Goods	31,500	31,600	31,900	31,000	30,600	30,300	29,800	29,700	29,100	28,600	28,300	28,300	30,100
Residual-Merchant Wholesalers, Nondurable Goods	10,700	10,700	10,700	10,300	10,300	10,400	10,900	10,800	10,800	10,700	10,500	10,400	10,600
Retail Trade	91,100	88,900	89,300	88,000	87,900	88,400	87,400	86,200	86,000	85,700	88,800	91,000	88,200
Electronics and Appliance Stores	10,600	10,300	10,300	9,800	9,500	9,300	9,000	8,700	8,500	8,500	8,500	8,500	9,300
Building Material and Garden Equipment Stores	5,600	5,600	5,700	5,800	5,800	5,800	6,000	5,800	5,800	5,600	5,700	5,700	5,700
Food and Beverage Stores	16,000	16,000	16,100	16,100	16,100	16,100	15,900	15,800	15,900	15,800	16,400	16,200	16,000
Health and Personal Care Stores	5,300	5,400	5,300	5,300	5,400	5,500	5,500	5,400	5,400	5,300	5,300	5,300	5,400
Clothing and Clothing Accessories Stores	9,400	8,900	8,900	8,800	8,800	8,900	8,900	8,600	8,500	8,600	9,300	9,900	9,000
Sporting Goods, Hobby, Book and Music Stores	5,300	5,300	5,200	5,200	5,100	5,000	5,100	5,100	5,300	5,100	5,200	5,500	5,200
General Merchandise Stores	13,300	12,100	12,100	11,900	11,900	12,300	12,200	12,100	12,000	12,100	13,400	14,200	12,500
Residual-Miscellaneous Store Retailers	25,600	25,300	25,700	25,100	25,300	25,500	24,800	24,700	24,600	24,700	25,000	25,700	25,200
Transportation, Warehousing and Utilities	17,100	17,100	17,200	16,900	16,900	16,900	16,500	16,300	16,000	15,300	15,000	14,900	16,300
Utilities	2,200	2,100	2,200	2,000	2,000	2,000	2,000	1,900	1,800	1,800	1,800	1,800	2,000
Transportation and Warehousing	14,900	15,000	15,000	14,900	14,900	14,900	14,500	14,400	14,200	13,500	13,200	13,100	14,400
Residual-Air Transportation	10,900	11,100	11,000	11,100	11,100	11,200	10,800	10,800	10,600	10,000	9,800	9,600	10,700
Couriers and Messengers	4,000	3,900	4,000	3,800	3,800	3,700	3,700	3,600	3,600	3,500	3,400	3,500	3,700
Information	46,400	46,100	46,000	43,700	43,300	42,700	41,300	40,600	39,500	38,200	37,500	37,200	41,900
Publishing Industries (except Internet)	15,200	15,400	15,500	14,700	14,500	14,400	13,800	13,500	13,200	13,200	13,000	12,800	14,100
Newspaper, Periodical, Book and Directory Publishers	3,600	3,500	3,600	3,500	3,500	3,500	3,400	3,300	3,200	3,400	3,400	3,300	3,400
Software Publishers	11,600	11,900	11,900	11,200	11,000	10,900	10,400	10,200	10,000	9,800	9,600	9,500	10,700

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Residual-Motion Picture and Sound Recording	4,900	4,800	4,800	4,600	4,400	4,400	4,100	4,200	3,900	3,900	4,000	4,100	4,300
Telecommunications	8,400	8,200	8,100	7,600	7,600	7,600	7,600	7,500	7,400	7,000	6,800	6,700	7,500
Internet Service Providers, Web Search Portals and Data Processing	17,900	17,700	17,600	16,800	16,800	16,300	15,800	15,400	15,000	14,100	13,700	13,600	15,900
Internet Service Providers and Web Search Portals	14,900	14,700	14,600	13,700	13,600	13,000	12,500	12,100	11,600	10,700	10,200	10,000	12,600
Data Processing, Hosting and Related Services	3,000	3,000	3,000	3,100	3,200	3,300	3,300	3,300	3,400	3,400	3,500	3,600	3,300
Financial Activities	34,100	34,400	34,800	34,900	35,100	35,500	35,400	35,900	35,600	35,300	35,500	35,800	35,200
Finance and Insurance	18,800	19,100	19,400	19,400	19,600	19,800	19,700	20,000	19,900	19,800	20,000	20,100	19,600
Credit Intermediation and Related Activities	9,500	9,700	9,800	9,900	10,100	10,300	10,100	10,400	10,400	10,400	10,500	10,700	10,200
Residual-Securities, Commodity Contracts and Investments	4,100	4,200	4,400	4,300	4,200	4,200	4,400	4,400	4,400	4,300	4,300	4,300	4,300
Insurance Carriers and Related	5,200	5,200	5,200	5,200	5,300	5,300	5,200	5,200	5,100	5,100	5,200	5,100	5,200
Real Estate and Rental and Leasing	15,300	15,300	15,400	15,500	15,500	15,700	15,700	15,900	15,700	15,500	15,500	15,700	15,600
Real Estate	10,600	10,700	10,700	10,700	10,700	10,800	10,700	10,800	10,700	10,800	10,900	11,100	10,800
Residual-Rental and Leasing Services	4,700	4,600	4,700	4,800	4,800	4,900	5,000	5,100	5,000	4,700	4,600	4,600	4,800
Professional and Business Services	227,300	228,400	229,000	221,200	217,200	215,500	208,300	204,400	198,500	193,500	189,500	187,400	210,000
Professional, Scientific and Technical Services	134,000	135,700	135,600	133,500	131,200	131,200	126,500	124,300	120,700	119,100	117,300	116,300	127,100
Legal Services	9,900	9,900	10,000	9,900	9,900	10,100	10,000	9,900	9,500	9,500	9,500	9,600	9,800
Accounting, Tax Preparation and Bookkeeping Services	7,000	7,600	7,300	7,300	6,700	6,500	6,000	6,100	6,000	5,800	5,700	6,100	6,500
Architectural, Engineering and Related Services	19,900	20,100	20,100	19,600	19,600	19,700	19,700	19,400	18,800	17,700	17,400	17,200	19,100
Computer Systems Design and Related Services	62,900	63,300	63,000	62,400	60,900	60,800	56,900	55,400	53,800	53,800	52,600	51,500	58,100
Scientific Research and Development Services	18,600	19,000	19,400	19,100	19,200	19,300	19,400	19,300	18,600	18,600	18,500	18,400	19,000
Residual-Other Professional, Scientific and Technical Services	15,700	15,800	15,800	15,200	14,900	14,800	14,500	14,200	14,000	13,700	13,600	13,500	14,600
Management of Companies and Enterprises	21,700	21,800	21,700	20,200	20,300	20,100	20,200	20,200	19,500	18,600	18,100	18,400	20,100
Administrative and Support and Waste Services	71,600	70,900	71,700	67,500	65,700	64,200	61,600	59,900	58,300	55,800	54,100	52,700	62,800
Administrative and Support Services	69,500	68,700	69,600	65,400	63,600	62,100	59,500	57,800	56,200	53,700	51,900	50,500	60,700
Employment Services	37,700	36,600	36,500	29,000	27,700	27,400	25,000	24,200	23,900	21,800	21,100	21,000	27,700
Investigation and Security Services	7,600	7,400	7,900	7,500	7,600	7,400	7,300	7,400	7,600	7,300	7,300	7,700	7,500
Services to Buildings and Dwellings	15,400	15,700	16,000	16,800	17,000	17,100	16,800	16,700	16,400	16,000	15,900	15,600	16,300
Residual-Other Support Services	8,800	9,000	9,200	12,100	11,300	10,200	10,400	9,500	8,300	8,600	7,600	6,200	9,300
Waste Management and Remediation Services	2,100	2,200	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,200	2,200	2,100
Educational and Health Services	87,100	88,500	89,700	89,100	90,100	90,000	87,900	88,800	88,800	91,600	92,400	93,200	89,800
Educational Services	25,100	25,800	26,300	26,400	27,000	26,200	24,100	24,300	23,800	26,900	26,900	27,100	25,800
Residual-Elementary and Secondary Schools	7,500	7,700	7,700	7,800	7,900	7,900	7,300	7,200	7,500	7,500	7,500	7,500	7,600
Colleges, Universities and Professional Schools	17,600	18,100	18,600	18,600	19,100	18,300	16,800	17,100	16,300	19,400	19,400	19,600	18,200

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2001*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Health Care and Social Assistance	62,000	62,700	63,400	62,700	63,100	63,800	63,800	64,500	65,000	64,700	65,500	66,100	63,900
Ambulatory Health Care Services	25,500	25,900	26,100	25,900	26,200	26,500	26,600	26,900	27,000	26,900	27,300	27,600	26,500
Offices of Physicians	11,900	12,000	12,200	11,900	11,900	12,000	12,000	12,100	12,100	12,100	12,200	12,400	12,100
Residual-Other Ambulatory Health Care Services	13,600	13,900	13,900	14,000	14,300	14,500	14,600	14,800	14,900	14,800	15,100	15,200	14,600
Hospitals	17,700	17,700	17,900	17,600	17,600	17,600	18,100	18,300	18,400	18,100	18,300	18,400	18,000
Nursing and Residential Care Facilities	9,300	9,400	9,600	9,400	9,400	9,600	9,400	9,500	9,700	9,600	9,700	9,800	9,500
Social Assistance	9,500	9,700	9,800	9,800	9,900	10,100	9,700	9,800	9,900	10,100	10,200	10,300	9,900
Leisure and Hospitality	69,600	71,600	73,300	73,400	74,500	75,200	75,000	74,600	71,800	69,200	67,700	67,800	72,000
Arts, Entertainment, and Recreation	8,100	8,900	9,500	10,600	11,200	11,600	12,700	12,300	10,700	9,900	8,800	8,800	10,300
Accommodation and Food Service	61,500	62,700	63,800	62,800	63,300	63,600	62,300	62,300	61,100	59,300	58,900	59,000	61,700
Accommodation	8,900	9,100	9,200	9,000	9,000	9,100	8,800	8,800	8,500	7,800	7,600	7,800	8,600
Food Services and Drinking Places	52,600	53,700	54,600	53,800	54,300	54,500	53,500	53,500	52,600	51,400	51,300	51,200	53,100
Residual-Full-Service Restaurants	31,600	32,400	32,800	32,200	32,400	32,600	31,700	31,700	31,300	30,200	30,300	30,000	31,600
Limited-Service Eating Places	21,000	21,300	21,800	21,600	21,900	21,900	21,800	21,800	21,300	21,200	21,000	21,200	21,500
Other Services	26,100	26,200	26,200	26,000	26,200	26,500	26,400	26,500	26,200	26,200	26,200	26,300	26,300
Repair and Maintenance	8,500	8,500	8,800	8,900	8,900	8,900	8,800	8,800	8,700	8,600	8,500	8,600	8,700
Personal and Laundry Services	17,600	17,700	17,400	17,100	17,300	17,600	17,600	17,700	17,500	17,600	17,700	17,700	17,500
Government	93,300	93,800	94,700	95,000	96,300	95,400	92,900	90,500	92,500	96,200	97,400	97,200	94,600
Federal Government	10,600	10,600	10,600	10,400	10,400	10,400	10,200	10,200	10,200	10,200	10,200	10,200	10,400
Other Federal Government	9,600	9,600	9,600	9,400	9,400	9,400	9,200	9,300	9,300	9,200	9,200	9,200	9,400
Department of Defense	1,000	1,000	1,000	1,000	1,000	1,000	1,000	900	900	1,000	1,000	1,000	1,000
State and Local Government	82,700	83,200	84,100	84,600	85,900	85,000	82,700	80,300	82,300	86,000	87,200	87,000	84,300
State Government	7,900	7,400	7,800	7,800	8,000	8,000	7,400	7,300	7,300	8,000	8,100	8,200	7,800
State Government Education	4,300	3,800	4,200	4,200	4,300	4,300	3,600	3,500	3,500	4,200	4,400	4,500	4,100
Other State Government	3,600	3,600	3,600	3,600	3,700	3,700	3,800	3,800	3,800	3,800	3,700	3,700	3,700
Local Government	74,800	75,800	76,300	76,800	77,900	77,000	75,300	73,000	75,000	78,000	79,100	78,800	76,500
Local Government Education	41,400	42,300	42,500	43,000	43,800	42,400	40,200	37,900	40,300	42,700	43,400	43,000	41,900
County	15,900	15,900	16,000	16,000	16,100	16,200	16,300	16,400	16,400	16,600	17,000	16,900	16,300
City	13,900	13,900	14,100	14,100	14,300	14,600	15,000	14,900	14,400	14,800	14,700	14,800	14,500
Other Local Government	3,600	3,700	3,700	3,700	3,700	3,800	3,800	3,800	3,900	3,900	4,000	4,100	3,800

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Santa Clara County
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Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Total, All Industries	923,100	923,700	929,100	921,600	921,300	922,000	913,200	910,700	903,800	904,000	897,400	895,500	913,800
Total Farm	3,700	3,800	4,000	4,100	4,200	4,800	5,400	5,600	5,600	4,700	4,100	3,800	4,500
Total Nonfarm	919,400	919,900	925,100	917,500	917,100	917,200	907,800	905,100	898,200	899,300	893,300	891,700	909,300
Total Private	822,500	822,100	826,100	818,000	817,400	817,200	811,700	810,400	803,300	800,800	794,400	793,100	811,400
Goods Producing	255,500	251,700	252,800	248,700	248,500	248,800	247,800	247,200	243,800	241,800	238,100	235,900	246,700
Natural Resources and Mining	300	300	300	300	300	300	200	200	200	200	200	200	300
Construction	41,800	41,400	42,200	41,600	42,500	43,100	43,900	45,200	44,300	44,100	43,100	41,200	42,900
Residual-Building, Develop & Gen Cont & Hvy Const	11,300	11,300	11,500	11,600	12,000	12,300	12,400	12,800	12,700	12,900	12,500	11,500	12,100
Specialty Trade Contractors	30,500	30,100	30,700	30,000	30,500	30,800	31,500	32,400	31,600	31,200	30,600	29,700	30,800
Building Equipment Contractors	13,800	13,400	13,500	13,200	13,100	13,300	13,700	14,000	13,500	13,300	13,200	13,000	13,400
Building Finishing Contractors	8,900	8,900	9,200	9,000	9,300	9,300	9,400	9,900	9,700	9,700	9,200	8,800	9,300
Residual-Other Specialty Trade Contract	7,800	7,800	8,000	7,800	8,100	8,200	8,400	8,500	8,400	8,200	8,200	7,900	8,100
Manufacturing	213,400	210,000	210,300	206,800	205,700	205,400	203,700	201,800	199,300	197,500	194,800	194,500	203,600
Durable Goods	197,300	193,900	194,200	190,900	189,700	189,400	187,900	185,900	183,600	181,800	179,000	178,700	187,700
Fabricated Metal Product Mfg	9,800	9,500	9,100	9,000	9,100	9,200	9,200	9,200	9,100	9,200	8,700	9,100	9,200
Machinery Manufacturing	17,200	17,100	16,700	16,300	16,200	16,200	16,300	16,300	16,100	16,000	15,700	15,800	16,300
Industrial Machinery Manufacturing	8,300	8,300	8,000	7,900	7,800	7,900	7,900	8,000	7,900	7,900	7,900	8,000	8,000
Commercial and Service Industry Manufacturing	6,300	6,200	6,200	5,900	5,600	5,500	5,600	5,500	5,500	5,400	5,200	5,300	5,700
ResidualOther General Purpose Machinery Manufacturing	2,600	2,600	2,500	2,500	2,800	2,800	2,800	2,800	2,700	2,700	2,600	2,500	2,700
Computer and Electronic Product Manufacturing	146,700	143,800	144,100	142,600	141,500	141,200	140,000	138,000	136,100	134,700	133,100	132,400	139,500
Computer and Peripheral Equipment Manufacturing	40,600	39,800	39,900	39,200	38,800	38,600	38,400	37,900	37,200	37,200	36,800	36,600	38,400
Electronic Computer Manufacturing	33,800	33,200	33,400	32,800	32,500	32,400	32,300	31,900	31,300	31,200	31,000	30,800	32,200
ResidualOther Computer and Peripheral Equipment Mfg	6,800	6,600	6,500	6,400	6,300	6,200	6,100	6,000	5,900	6,000	5,800	5,800	6,200
Residual-Audio and Video Equip Mfg	12,300	11,400	11,700	11,600	11,400	11,400	10,900	10,600	10,300	10,100	9,900	9,900	11,000
Semiconductor and Electronic Component Manufacturing	62,800	61,700	61,700	61,500	61,200	60,700	61,200	60,600	60,100	59,500	59,100	58,800	60,700
Bare Printed Circuit Board Manufacturing	11,100	10,200	10,200	9,700	9,400	9,000	8,900	8,800	8,700	8,500	8,400	8,500	9,300
Semiconductor and Related Devices Manufacturing	37,900	37,400	37,300	37,000	37,100	37,100	38,300	37,900	37,600	37,100	36,900	36,800	37,400
ResidualOther Semiconductor and Electronic Component Mfg	13,800	14,100	14,200	14,800	14,700	14,600	14,000	13,900	13,800	13,900	13,800	13,500	14,100
Electronic Instrument Manufacturing	28,100	27,900	27,800	27,400	27,300	27,600	26,700	26,100	25,700	25,100	24,500	24,200	26,500
Magnetic Media Manufacturing and Reproducing	2,900	3,000	3,000	2,900	2,800	2,900	2,800	2,800	2,800	2,800	2,800	2,900	2,900

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Transportation Equipment Manufacturing	9,700	9,600	9,700	9,800	9,700	9,800	9,600	9,500	9,400	9,300	8,900	9,000	9,500
Residual-Motor Vehicle Manufacturing	1,500	1,400	1,400	1,500	1,400	1,500	1,400	1,400	1,300	1,100	700	700	1,300
Aerospace Product and Parts Manufacturing	8,200	8,200	8,300	8,300	8,300	8,300	8,200	8,100	8,100	8,200	8,200	8,300	8,200
Residual-Miscellaneous Manufacturing	13,900	13,900	14,600	13,200	13,200	13,000	12,800	12,900	12,900	12,600	12,600	12,400	13,200
Nondurable Goods	16,100	16,100	16,100	15,900	16,000	16,000	15,800	15,900	15,700	15,700	15,800	15,800	15,900
Food Manufacturing	3,700	3,800	3,800	3,700	3,700	3,800	3,900	4,000	4,000	4,100	4,100	4,000	3,900
Residual-Beverage and Tobacco Product Mfg	7,400	7,300	7,300	7,200	7,300	7,200	7,000	7,000	6,800	6,600	6,700	6,800	7,100
Chemical Manufacturing	5,000	5,000	5,000	5,000	5,000	5,000	4,900	4,900	4,900	5,000	5,000	5,000	5,000
Service Providing	663,900	668,200	672,300	668,800	668,600	668,400	660,000	657,900	654,400	657,500	655,200	655,800	662,600
Trade, Transportation and Utilities	136,800	135,300	135,800	134,600	134,500	134,900	133,300	133,100	133,100	132,200	134,600	136,400	134,600
Wholesale Trade	38,100	37,600	37,700	37,000	36,900	36,600	35,800	35,500	35,300	35,300	35,100	34,900	36,300
Merchant Wholesalers, Durable Goods	27,800	27,600	27,600	26,900	26,900	26,700	25,700	25,500	25,400	25,500	25,300	25,200	26,300
Residual-Merchant Wholesalers, Nondurable Goods	10,300	10,000	10,100	10,100	10,000	9,900	10,100	10,000	9,900	9,800	9,800	9,700	10,000
Retail Trade	84,200	83,100	83,500	82,600	82,300	82,700	81,800	81,800	82,100	81,200	83,800	85,900	82,900
Electronics and Appliance Stores	8,300	8,300	8,200	8,100	7,900	7,700	7,400	7,200	7,200	6,900	6,900	6,900	7,600
Building Material and Garden Equipment Stores	5,600	5,600	6,200	6,200	6,400	6,500	6,200	6,200	6,400	6,300	6,200	6,200	6,200
Food and Beverage Stores	15,900	16,000	16,100	16,000	15,900	15,900	15,800	15,800	15,700	15,700	15,900	15,900	15,900
Health and Personal Care Stores	5,100	5,100	5,100	5,000	5,000	4,900	5,000	4,900	4,900	4,900	4,900	4,900	5,000
Clothing and Clothing Accessories Stores	9,000	8,200	8,200	8,000	8,100	8,400	8,800	8,800	8,500	8,500	9,300	9,700	8,600
Sporting Goods, Hobby, Book and Music Stores	5,300	5,300	5,300	5,200	5,100	5,000	4,900	5,000	5,200	4,900	5,100	5,400	5,100
General Merchandise Stores	11,900	11,700	11,600	11,400	11,400	11,500	11,400	11,500	11,800	11,900	13,000	14,100	11,900
Residual-Miscellaneous Store Retailers	23,100	22,900	22,800	22,700	22,500	22,800	22,300	22,400	22,400	22,100	22,500	22,800	22,600
Transportation, Warehousing and Utilities	14,500	14,600	14,600	15,000	15,300	15,600	15,700	15,800	15,700	15,700	15,700	15,600	15,300
Utilities	1,800	1,800	1,800	1,800	1,700	1,800	1,900	1,900	1,900	1,900	2,000	1,900	1,900
Transportation and Warehousing	12,700	12,800	12,800	13,200	13,600	13,800	13,800	13,900	13,800	13,800	13,700	13,700	13,500
Residual-Air Transportation	9,400	9,600	9,600	10,100	10,500	10,700	10,600	10,700	10,700	10,700	10,600	10,600	10,300
Couriers and Messengers	3,300	3,200	3,200	3,100	3,100	3,100	3,200	3,200	3,100	3,100	3,100	3,100	3,200
Information	36,900	36,800	36,600	34,900	34,400	34,000	33,400	33,200	32,800	32,200	32,300	31,500	34,100
Publishing Industries (except Internet)	12,300	12,300	12,200	12,100	12,000	12,000	12,000	12,000	11,900	11,800	11,700	11,400	12,000
Newspaper, Periodical, Book and Directory Publishers	3,200	3,200	3,200	3,100	3,100	3,000	3,000	3,000	3,000	2,900	2,900	2,700	3,000
Software Publishers	9,100	9,100	9,000	9,000	8,900	9,000	9,000	9,000	8,900	8,900	8,800	8,700	9,000

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Residual-Motion Picture and Sound Recording	4,200	4,300	5,200	4,100	4,400	4,200	4,100	4,100	4,100	4,000	4,100	4,100	4,200
Telecommunications	6,800	6,600	6,600	6,500	6,300	6,200	5,800	5,700	5,600	5,100	5,100	4,900	5,900
Internet Service Providers, Web Search Portals and Data Processing	13,600	13,600	12,600	12,200	11,700	11,600	11,500	11,400	11,200	11,300	11,400	11,100	11,900
Internet Service Providers and Web Search Portals	9,800	9,800	9,700	9,400	9,100	9,000	8,900	8,900	8,900	9,100	9,200	9,000	9,200
Data Processing, Hosting and Related Services	3,800	3,800	2,900	2,800	2,600	2,600	2,600	2,500	2,300	2,200	2,200	2,100	2,700
Financial Activities	35,000	35,200	35,200	35,200	35,500	35,500	34,600	34,900	34,300	34,300	34,500	34,500	34,900
Finance and Insurance	19,700	19,800	19,900	19,800	19,900	20,000	19,600	19,700	19,400	19,400	19,500	19,500	19,700
Credit Intermediation and Related Activities	10,500	10,600	10,800	10,600	10,700	10,600	10,600	10,700	10,600	10,600	10,700	10,700	10,600
Residual-Securities, Commodity Contracts and Investments	4,300	4,200	4,100	4,200	4,200	4,300	3,900	3,900	3,900	3,900	3,900	4,000	4,100
Insurance Carriers and Related	4,900	5,000	5,000	5,000	5,000	5,100	5,100	5,100	4,900	4,900	4,900	4,800	5,000
Real Estate and Rental and Leasing	15,300	15,400	15,300	15,400	15,600	15,500	15,000	15,200	14,900	14,900	15,000	15,000	15,200
Real Estate	10,800	10,900	10,900	10,900	10,900	11,000	10,500	10,600	10,600	10,600	10,700	10,700	10,800
Residual-Rental and Leasing Services	4,500	4,500	4,400	4,500	4,700	4,500	4,500	4,600	4,300	4,300	4,300	4,300	4,500
Professional and Business Services	178,700	179,000	178,900	175,800	173,800	173,300	171,700	171,200	169,800	168,400	164,500	165,000	172,500
Professional, Scientific and Technical Services	111,600	111,400	110,900	109,400	107,600	106,600	105,200	104,200	102,700	102,500	101,200	101,000	105,200
Legal Services	9,300	9,200	9,200	9,100	9,100	9,200	9,200	9,000	8,700	8,700	8,700	8,800	9,000
Accounting, Tax Preparation and Bookkeeping Services	6,100	6,500	6,500	6,900	6,000	6,000	5,700	5,700	5,800	5,800	5,800	5,700	6,000
Architectural, Engineering and Related Services	16,400	16,500	16,300	16,100	15,900	15,800	15,800	15,800	15,600	15,500	15,300	15,100	15,800
Computer Systems Design and Related Services	49,500	49,000	48,600	47,500	46,900	45,800	44,600	43,900	43,200	43,200	42,700	42,200	45,600
Scientific Research and Development Services	17,600	17,700	17,700	17,500	17,400	17,400	17,800	17,600	17,200	17,100	16,900	17,200	17,400
Residual-Other Professional, Scientific and Technical Services	12,700	12,500	12,600	12,300	12,300	12,400	12,100	12,200	12,200	12,200	11,800	12,000	12,300
Management of Companies and Enterprises	17,600	17,300	17,200	16,900	16,400	16,100	15,900	15,900	15,800	15,900	15,900	16,200	16,400
Administrative and Support and Waste Services	49,500	50,300	50,800	49,500	49,800	50,600	50,600	51,100	51,300	50,000	47,400	47,800	49,900
Administrative and Support Services	47,400	48,000	48,500	47,200	47,600	48,300	48,100	48,500	48,800	47,500	45,000	45,400	47,500
Employment Services	18,400	19,000	19,400	18,200	18,600	19,200	18,800	19,300	19,800	18,500	17,100	17,500	18,700
Investigation and Security Services	6,800	6,800	7,000	7,000	6,900	6,800	7,100	7,000	6,900	7,000	6,200	6,100	6,800
Services to Buildings and Dwellings	14,600	14,700	14,800	15,000	15,000	15,100	15,300	15,300	15,200	15,100	14,900	15,000	15,000
Residual-Other Support Services	7,600	7,500	7,300	7,000	7,100	7,200	6,900	6,900	6,900	6,900	6,800	6,800	7,100
Waste Management and Remediation Services	2,100	2,300	2,300	2,300	2,200	2,300	2,500	2,600	2,500	2,500	2,400	2,400	2,400
Educational and Health Services	88,800	91,500	92,500	92,300	92,500	92,000	92,500	92,600	93,100	96,800	97,300	97,000	93,200
Educational Services	24,000	26,100	26,400	26,300	26,300	25,900	26,100	26,300	26,800	29,900	30,200	29,900	27,000
Residual-Elementary and Secondary Schools	7,200	7,400	7,500	7,400	7,400	7,500	7,100	7,100	7,400	8,300	8,300	8,100	7,600
Colleges, Universities and Professional Schools	16,800	18,700	18,900	18,900	18,900	18,400	19,000	19,200	19,400	21,600	21,900	21,800	19,500

*March 2002 Benchmark figures.

Santa Clara County
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
Monthly January–December 2002*

Industry Title	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Health Care and Social Assistance	64,800	65,400	66,100	66,000	66,200	66,100	66,400	66,300	66,300	66,900	67,100	67,100	66,200
Ambulatory Health Care Services	27,000	27,300	27,700	27,500	27,600	27,800	28,200	28,100	28,000	28,100	28,200	28,100	27,600
Offices of Physicians	12,200	12,200	12,400	12,400	12,400	12,500	13,000	12,700	12,800	12,700	12,700	12,600	12,600
Residual-Other Ambulatory Health Care Services	14,800	15,100	15,300	15,100	15,200	15,300	15,200	15,400	15,200	15,400	15,500	15,500	15,300
Hospitals	18,100	18,200	18,400	18,400	18,400	18,200	18,400	18,500	18,600	18,500	18,600	18,500	18,400
Nursing and Residential Care Facilities	9,900	9,900	9,900	10,100	10,200	10,100	10,100	10,200	10,200	10,500	10,500	10,600	10,200
Social Assistance	9,800	10,000	10,100	10,000	10,000	10,000	9,700	9,500	9,500	9,800	9,800	9,900	9,800
Leisure and Hospitality	65,000	66,400	67,900	70,500	71,600	72,300	71,600	71,400	70,200	68,800	67,200	66,700	69,100
Arts, Entertainment, and Recreation	8,500	9,300	10,400	11,400	11,900	12,500	12,800	12,200	11,100	10,600	9,500	9,900	10,800
Accommodation and Food Service	56,500	57,100	57,500	59,100	59,700	59,800	58,800	59,200	59,100	58,200	57,700	57,200	58,300
Accommodation	7,300	7,500	7,500	7,600	7,500	7,800	7,700	7,800	7,700	7,700	7,600	7,700	7,600
Food Services and Drinking Places	49,200	49,600	50,000	51,500	52,200	52,100	51,100	51,500	51,400	50,500	50,100	49,500	50,700
Residual-Full-Service Restaurants	29,000	29,200	29,400	30,800	31,200	31,100	30,000	30,300	30,200	29,700	29,300	28,800	29,900
Limited-Service Eating Places	20,200	20,400	20,600	20,700	21,000	21,000	21,100	21,200	21,200	20,800	20,800	20,700	20,800
Other Services	25,800	26,200	26,400	26,000	26,600	26,400	26,800	26,800	26,200	26,300	25,900	26,100	26,300
Repair and Maintenance	8,500	8,600	8,700	8,700	8,800	8,700	8,600	8,600	8,500	8,300	8,200	8,300	8,500
Personal and Laundry Services	17,300	17,600	17,700	17,300	17,800	17,700	18,200	18,200	17,700	18,000	17,700	17,800	17,800
Government	96,900	97,800	99,000	99,500	99,700	100,000	96,100	94,700	94,900	98,500	98,900	98,600	97,900
Federal Government	10,100	10,100	10,100	10,000	10,000	10,100	9,900	9,900	9,900	10,000	10,100	10,300	10,000
Other Federal Government	9,100	9,100	9,100	9,000	9,000	9,100	8,900	8,900	8,900	9,100	9,200	9,400	9,100
Department of Defense	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	900	900	900	1,000
State and Local Government	86,800	87,700	88,900	89,500	89,700	89,900	86,200	84,800	85,000	88,500	88,800	88,300	87,800
State Government	8,100	7,700	8,300	8,300	8,500	8,400	7,600	7,600	7,800	8,300	8,300	8,400	8,100
State Government Education	4,400	4,000	4,600	4,600	4,700	4,600	3,800	3,800	4,000	4,600	4,700	4,800	4,400
Other State Government	3,700	3,700	3,700	3,700	3,800	3,800	3,800	3,800	3,800	3,700	3,600	3,600	3,700
Local Government	78,700	80,000	80,600	81,200	81,200	81,500	78,600	77,200	77,200	80,200	80,500	79,900	79,700
Local Government Education	42,900	44,100	44,500	45,300	45,000	45,000	41,500	40,200	40,900	43,500	44,100	43,700	43,400
County	17,100	17,100	17,300	17,200	17,300	17,400	17,500	17,500	17,500	17,600	17,400	17,400	17,400
City	14,600	14,700	14,700	14,600	14,800	15,100	15,700	15,600	15,000	15,200	15,100	15,000	15,000
Other Local Government	4,100	4,100	4,100	4,100	4,100	3,900	3,800	3,800	3,800	3,800	3,900	3,800	3,900

*March 2002 Benchmark figures.

Projections & Planning Information

Module D:

Projections

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INTRODUCTION

to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates. They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are

self-employed will be understated. Examples include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the

very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles

- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

Description Of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01-09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10-14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15-17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20-39) includes establishments which are usually described as plants, factories, or mills that are engaged in producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40-49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50-51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52-59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60-67) includes banks, savings and loan institutions, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70-89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Industry Tables

Employment By Major Industry -Table 1

This table shows 1997 estimated employment and 2004 projected employment along with the percentage of total employment for each major industry division.

Employment By Industry - Table 2

This table shows employment and projected employment by industry. The number of jobs is estimated for 1997 and projected for 2004. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1997 and 2004. The "Percent Change" column is the growth rate over the seven-year period.

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers And Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, And Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semi-skilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Occupational Tables

Employment By Major Occupational Group - Table 3

This table shows 1997 and 2004 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Occupations With The Greatest Absolute Job Growth - Table 4

This table lists the 50 occupations that are projected to register the largest absolute change between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1997-2004 period.

Occupations With The Fastest Job Growth - Table 5

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Occupational Employment Projections - Table 6

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1997 and 2004. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed

table. The same line numbers are used in all area reports for 1997-2004. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Occupations With The Most Openings - Table 7 (Growth Plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1997 and 2004. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1997-2004 period.

Occupations With Projected Decline - Table 8

This table lists the occupations that are projected to decline over the 1997-2004 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. First professional degree. Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

2. Doctoral degree. Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

3. Master's degree. Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

4. Bachelor's or higher and some work experience. Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. Bachelor's degree. Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

6. Associate degree. Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

7. Post-secondary vocational education. Occupations that require completion of vocational school training.

8. Work experience. Occupations that require skills obtained through work experience in a related occupation.

9. Long-term on-the-job training. Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

10. Moderate-term on-the-job training. Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

11. Short-term on-the-job-training. Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Industry Trends and Outlook

The Employment Development Department projects that nonfarm employment at firms located in Santa Clara County will grow by nearly 186,000 jobs, including both full-time and part-time positions between 1999 and 2006. This represents an average growth of about 2.7 percent per year during the seven-year projection period. The services industry division will dominate the expansion, accounting for close to two-thirds of the job growth. Significant gains will occur in most other industry divisions.

Services will add the largest number of jobs (119,300) in Santa Clara County during the projection period. Business services should capture 78,700 of those jobs. Close to two-thirds of the additional business services jobs are projected to occur in software development and computer-related services, despite some Internet-related layoffs. The segments within business services that will post the largest employment increases are ranked by growth in the table below.

**Santa Clara County Business Services
Segments with Largest Projected Employment Growth 1999–2006**

	1999	2006	Growth
Software development & computer-related services	68,900	119,300	50,400
Temporary & other employment agencies	38,700	58,800	20,100
Building maintenance & pest control services	10,300	13,700	3,400
Guard, detective & armored car services	7,200	10,300	3,100

Other services industries will also register significant gains between 1999 and 2006. Engineering, architectural, accounting, research and management services will grow by 14,200 jobs. The health services industry is expected to add 7,700 jobs, with the largest increases likely in doctor's offices and clinics. Private education will expand by 3,400 jobs, while amusements

will add 2,600 jobs. Meanwhile, the hotel/motel industry will gain 2,300 jobs between 1999 and 2006. Other services industries will add 10,500 more jobs during the seven-year period, with growth mostly in child care, residential care and other social services; legal services; auto repairs, services and parking; and landscape and horticultural services.

Retail trade will expand by 23,600 jobs between 1999 and 2006. About 30 percent of the retail jobs will occur at restaurants and bars. General merchandise and apparel stores will add the next largest number of retail jobs. Most other types of retail facilities will show some additional jobs by 2006.

Manufacturing is projected to increase less than a third as fast as the Santa Clara County's nonfarm average between 1999 and 2006. However, manufacturing should show a net gain of 14,300 jobs during the period, with some industries posting increases while others decline. Expansions will occur mostly in electronic equipment and in instruments. The largest decreases in the durable goods sector of manufacturing are expected to occur in computer manufacturing and other office equipment, as well as in aircraft, missiles and space vehicles. The departure of two food processing facilities to other California locations will play a significant role in pulling down employment in the nondurable goods sector.

Construction employment is projected to gain 10,000 jobs between 1999 and 2006. Close to three-fourths of those additional jobs will be at special trade contractors such as those performing electrical, plumbing, heating and air conditioning work.

Government employment, though expanding only about half as fast as the countywide nonagricultural average, will increase by 9,600 jobs over the seven-year period. Local public education, as well as other components of local government, will account for nearly all of the additional government jobs.

The **transportation and public utilities** industry division will gain 4,600 jobs between 1999 and 2006. Close to three-fourths of the added jobs will occur in transportation, with air courier services leading the way. Meanwhile, communications will capture most of the increased utilities employment.

Wholesale trade, the slowest growing major industry division, will add 2,900 jobs during the projection period. Job gains at companies distributing durable goods products will more than offset declines at firms handling nondurable goods.

Finance, insurance and real estate payrolls will rise by 1,700 jobs between 1999 and 2006. About half of those added jobs are expected to occur in finance. Real estate will expand by 700 jobs, while insurance will post only a slight increase.

Mining employment will show no change between 1999 and 2006.

Table 1
Employment By Major Industry (1)
1999 - 2006 Annual Averages
SANTA CLARA COUNTY

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	971,300	100.0%	1,157,200	100.0%
MINING	100	0.0%	100	0.0%
CONSTRUCTION	45,500	4.7%	55,500	4.8%
MANUFACTURING	250,700	25.8%	265,000	22.9%
TRANSPORTATION & PUBLIC UTILITIES	28,300	2.9%	32,900	2.8%
TRADE	190,000	19.6%	216,500	18.7%
FINANCE, INSURANCE, & REAL ESTATE	32,300	3.3%	34,000	2.9%
SERVICES	332,900	34.3%	452,200	39.1%
GOVERNMENT	91,400	9.4%	101,000	8.7%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

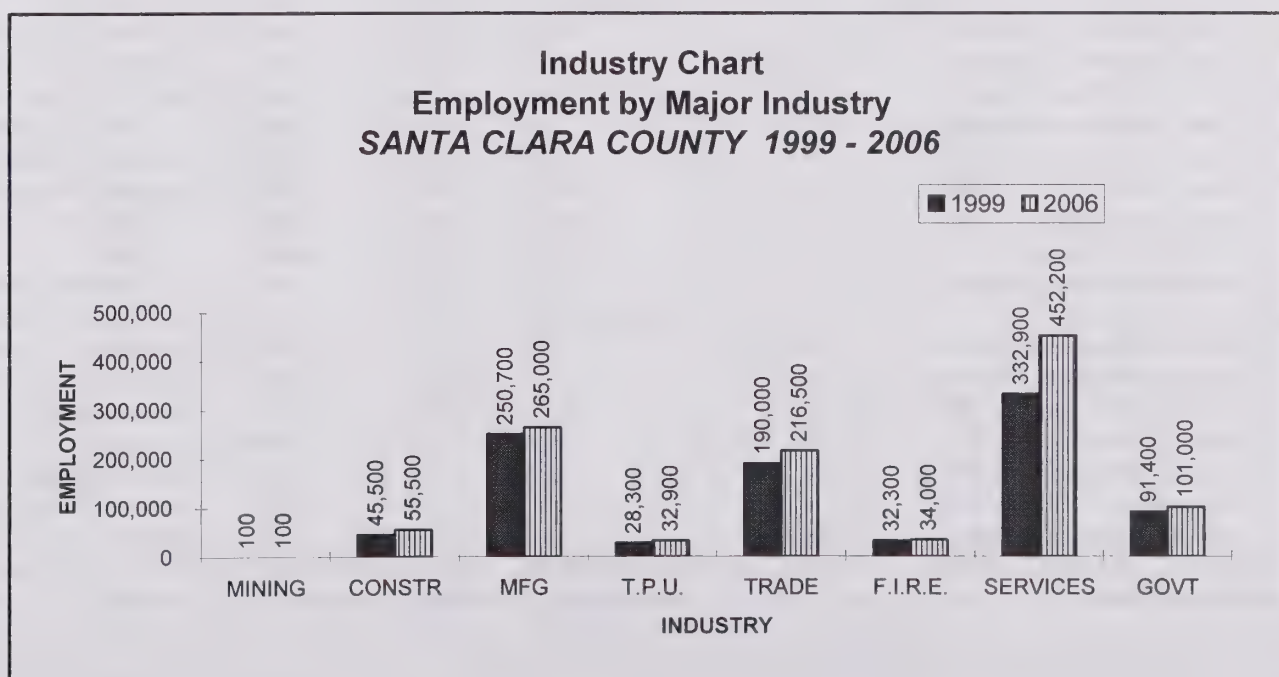


Table 2
Industry Employment Projections (1)
1999-2006
SANTA CLARA COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TOTAL NONFARM	10-99(ex 88), 074,075,078	971,300	1,157,200	185,900	19.1
GOODS PRODUCING	10-39	296,300	320,600	24,300	8.2
MINING	10-14	100	100	0	0.0
CONSTRUCTION	15-17	45,500	55,500	10,000	22.0
General Building Contractors	15	9,100	11,500	2,400	26.4
Heavy Construction	16	2,500	2,800	300	12.0
Special Trade	17	33,900	41,200	7,300	21.5
MANUFACTURING	20-39	250,700	265,000	14,300	5.7
Durable Goods	24,25,32-39	227,500	242,400	14,900	6.5
Lumber, Wood & Furniture	24,25	2,200	2,600	400	18.2
Stone, Clay, & Glass	32	3,000	3,000	0	0.0
Primary & Fabricated Metal	33,34	8,600	11,600	3,000	34.9
Industrial Machinery	35	68,700	70,200	1,500	2.2
Computer & Office Equipment	357	53,500	50,500	-3,000	-5.6
Other Industrial Machinery	35X	15,100	19,700	4,600	30.5
Electronic Equipment	36	90,100	96,900	6,800	7.5
Comm. Equip., Elec. Components	366,367	86,400	94,500	8,100	9.4
Other Electronic Equipment	36X	3,700	2,400	-1,300	-35.1
Transportation Equipment	37	12,000	9,100	-2,900	-24.2
Aircraft, Missiles & Space	372,376	9,800	7,300	-2,500	-25.5
Other Transportation Equipment	37X	2,200	1,800	-400	-18.2
Instruments & Related Prods.	38	42,300	48,400	6,100	14.4
Other Instruments & Related	38X	6,500	4,600	-1,900	-29.2
Search & Navigation Equip.	381	27,000	34,400	7,400	27.4
Measuring & Control Devices	382	8,800	9,400	600	6.8
Miscellaneous Manufacturing	39	800	600	-200	-25.0
Nondurable Goods	20-23,26-31	23,200	22,600	-600	-2.6
Food & Kindred Products	20	4,900	4,100	-800	-16.3
Preserved Fruits & Vegetables	203	2,400	1,200	-1,200	-50.0
Other Food & Kindred Prods.	20X	2,500	2,900	400	16.0
Printing & Publishing	27	7,900	7,100	-800	-10.1
Chemicals & Allied Products	28	5,600	6,700	1,100	19.6
Rubber & Misc. Plastics Prods.	30	2,100	1,700	-400	-19.0
Other Nondurable Goods		2,600	3,000	400	15.4
SERVICE PRODUCING	40-99(ex 88), 074,075,078	675,000	836,600	161,600	23.9
TRANSPORTATION AND PUBLIC UTILITIES	40-42,44-49	28,300	32,900	4,600	16.3
Transportation	40-42,44-47	16,900	20,200	3,300	19.5
Trucking & Warehousing	42	7,000	7,500	500	7.1
Other Transportation		9,900	12,700	2,800	28.3

Table 2
Industry Employment Projections (1)
1999-2006
SANTA CLARA COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
Communications & Public Utilities	48,49	11,400	12,700	1,300	11.4
Communications	48	7,600	8,500	900	11.8
Electric, Gas & Sanitary Services	49	3,800	4,200	400	10.5
TRADE	50-59	190,000	216,500	26,500	13.9
Wholesale Trade	50,51	56,000	58,900	2,900	5.2
Wholesale-Durable	50	45,900	50,200	4,300	9.4
Wholesale-Nondurable	51	10,100	8,700	-1,400	-13.9
Retail Trade	52-59	134,000	157,600	23,600	17.6
Bldng Materials & Garden Supplies	52	4,900	6,100	1,200	24.5
General Merchandise & Apparel	53,56	20,500	22,300	1,800	8.8
Food Stores	54	16,300	17,700	1,400	8.6
Automotive Dealers & Service	55	12,000	13,500	1,500	12.5
Eating & Drinking Places	58	51,000	58,000	7,000	13.7
Other Retail Trade		29,300	40,000	10,700	36.5
FINANCE, INSURANCE, AND REAL ESTATE	60-65,67	32,300	34,000	1,700	5.3
Finance	60-62,67	15,300	16,200	900	5.9
Other Finance, Insurance & Real Estate		17,000	17,800	800	4.7
SERVICES	70-89, 074,075,078	332,900	452,200	119,300	35.8
Hotels & Other Lodging Places	70	7,800	10,100	2,300	29.5
Business Services	73	139,600	218,300	78,700	56.4
Amusement, Including Movies	78,79	13,000	15,600	2,600	20.0
Health Services	80	51,100	58,800	7,700	15.1
Private Educational Services	82	24,800	28,200	3,400	13.7
Engineering & Management	87	40,800	55,000	14,200	34.8
Other Services		55,700	66,200	10,500	18.9
GOVERNMENT		91,400	101,000	9,600	10.5
Federal Government		11,400	11,400	0	0.0
State & Local Government		80,000	89,600	9,600	12.0
State Government		7,600	7,700	100	1.3
State Education		4,100	4,400	300	7.3
Other State Government		3,500	3,300	-200	-5.7
Local Government		72,400	81,900	9,500	13.1
Local Education		40,200	45,100	4,900	12.2
Local Noneducation		32,200	36,800	4,600	14.3

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

(2) March 2000 benchmark.

Table 3
Employment by Major Occupational Group
1999 - 2006 Annual Averages
SANTA CLARA COUNTY

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	971,300	100.0%	1,157,200	100.0%	185,900	19.1%
MANAGERS AND ADMIN OCCUPATIONS	82,600	8.5%	98,230	8.5%	15,630	18.9%
PROFESSIONAL, PARAPROF, TECHNICAL	285,300	29.4%	360,780	31.2%	75,480	26.5%
SALES AND RELATED OCCUPATIONS	100,050	10.3%	119,360	10.3%	19,310	19.3%
CLERICAL, ADMINISTRATIVE SUPPORT	152,540	15.7%	170,510	14.7%	17,970	11.8%
SERVICE OCCUPATIONS	115,010	11.8%	133,690	11.6%	18,680	16.2%
AGRICULTURAL, FORESTRY, FISHING	9,790	1.0%	11,930	1.0%	2,140	21.9%
PROD, CONST, OPER, MAT HANDLING	225,960	23.3%	262,640	22.7%	36,680	16.2%

(1) Total is based on the March 2000 benchmark.

Occupational Chart
Employment by Major Occupational Group
SANTA CLARA COUNTY 1999 - 2006

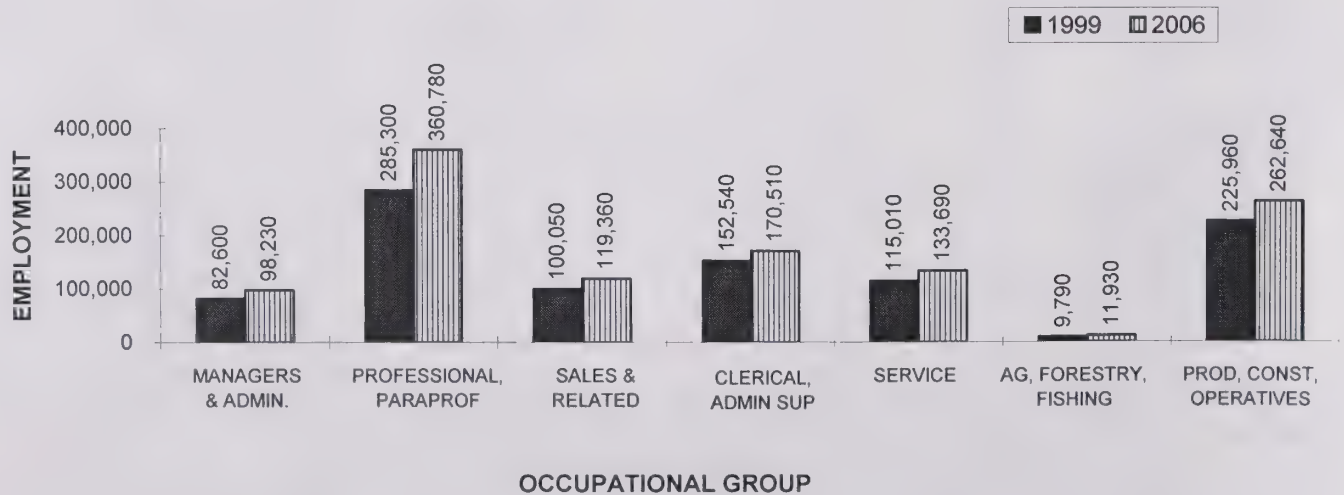


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
22127	COMPUTER ENGINEERS	19,000	31,980	12,980	68.3	05	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	10,650	18,310	7,660	71.9	05	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	8,760	16,210	7,450	85.0	05	BACHELOR'S DEGREE
49011	SALESPERSONS, RETAIL	25,180	30,910	5,730	22.8	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	27,690	33,030	5,340	19.3	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
49023	CASHIERS	16,640	20,180	3,540	21.3	11	SHORT-TERM ON-THE-JOB TRAINING
22126	ELECT AND ELECTRONIC ENGINEERS	19,030	22,470	3,440	18.1	05	BACHELOR'S DEGREE
67005	JANITORS, CLEANERS--EXCEPT MAIDS	16,110	19,510	3,400	21.1	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	10,050	13,360	3,310	32.9	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55347	GENERAL OFFICE CLERKS	21,910	25,200	3,290	15.0	11	SHORT-TERM ON-THE-JOB TRAINING
25105	COMPUTER PROGRAMMERS	14,200	17,240	3,040	21.4	05	BACHELOR'S DEGREE
55305	RECEPTIONISTS, INFORMATION CLERKS	10,680	12,900	2,220	20.8	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	8,290	10,260	1,970	23.8	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GRNDSKEEPING	7,920	9,720	1,800	22.7	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	6,630	8,430	1,800	27.1	09	LONG-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	12,290	13,980	1,690	13.8	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	9,310	10,950	1,640	17.6	05	BACHELOR'S DEGREE
98902	HAND PACKERS AND PACKAGERS	4,810	6,370	1,560	32.4	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	18,600	20,130	1,530	8.2	07	POST-SECONDARY VOCATIONAL EDUCATION
13011	MKTING, ADV, PUB-REL MANAGERS	7,750	9,260	1,510	19.5	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22505	ELECT, ELECTRONIC ENGINEERING TECH	10,290	11,670	1,380	13.4	06	ASSOCIATE DEGREE
31308	TEACHERS--SECONDARY SCHOOL	7,920	9,280	1,360	17.2	05	BACHELOR'S DEGREE
25103	DATA BASE ADMINISTRATORS	1,700	2,970	1,270	74.7	05	BACHELOR'S DEGREE
49005	SALES REPS, SCIENTIFIC--EX RETAIL	7,010	8,280	1,270	18.1	10	MODERATE-TERM ON-THE-JOB TRAINING
92902	ELECTRONIC SEMICONDUCTOR PROCESSOR	6,990	8,260	1,270	18.2	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
63047	GUARDS AND WATCH GUARDS	6,310	7,520	1,210	19.2	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	10,370	11,560	1,190	11.5	06	ASSOCIATE DEGREE
87202	ELECTRICIANS	5,020	6,110	1,090	21.7	09	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	4,370	5,450	1,080	24.7	06	ASSOCIATE DEGREE
31303	TEACHERS, PRESCHOOL	3,200	4,190	990	30.9	05	BACHELOR'S DEGREE
65041	COMBINED FOOD PREP AND SERVICE	9,190	10,170	980	10.7	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	5,750	6,680	930	16.2	09	LONG-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	5,800	6,680	880	15.2	11	SHORT-TERM ON-THE-JOB TRAINING
89108	MACHINISTS	4,360	5,240	880	20.2	09	LONG-TERM ON-THE-JOB TRAINING
13014	ADMINISTRATIVE SERVICES MANAGERS	3,930	4,770	840	21.4	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
31305	TEACHERS--ELEMENTARY SCHOOL	8,510	9,350	840	9.9	05	BACHELOR'S DEGREE
13002	FINANCIAL MANAGERS	5,920	6,730	810	13.7	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
49008	SALES REPS, NON-SCIENTIFIC EX RET	8,930	9,740	810	9.1	10	MODERATE-TERM ON-THE-JOB TRAINING
28108	LAWYERS	3,330	4,100	770	23.1	01	FIRST PROFESSIONAL DEGREE
55338	BOOKKEEPING, ACCOUNTING CLERKS	12,820	13,580	760	5.9	10	MODERATE-TERM ON-THE-JOB TRAINING
43017	SALES AGENTS--SEL BUS SERVICES	2,480	3,230	750	30.2	10	MODERATE-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	7,140	7,880	740	10.4	11	SHORT-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	3,870	4,610	740	19.1	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	4,200	4,940	740	17.6	09	LONG-TERM ON-THE-JOB TRAINING
49002	SALES ENGINEERS	2,980	3,650	670	22.5	05	BACHELOR'S DEGREE
49017	COUNTER AND RENTAL CLERKS	2,930	3,600	670	22.9	11	SHORT-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	7,780	8,450	670	8.6	11	SHORT-TERM ON-THE-JOB TRAINING
24308	BIOLOGICAL SCIENTISTS	1,340	2,000	660	49.3	02	DOCTORAL DEGREE
53123	ADJUSTMENT CLERKS	2,280	2,930	650	28.5	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	2,070	2,720	650	31.4	09	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		444,290	546,740	102,450	23.1		

(1) Excludes not elsewhere classified (NEC) categories

(2) March 2000 Benchmark

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	8,760	16,210	7,450	85.0	05	BACHELOR'S DEGREE
25103	DATA BASE ADMINISTRATORS	1,700	2,970	1,270	74.7	05	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	10,650	18,310	7,660	71.9	05	BACHELOR'S DEGREE
22127	COMPUTER ENGINEERS	19,000	31,980	12,980	68.3	05	BACHELOR'S DEGREE
28305	PARALEGAL PERSONNEL	730	1,100	370	50.7	06	ASSOCIATE DEGREE
24308	BIOLOGICAL SCIENTISTS	1,340	2,000	660	49.3	02	DOCTORAL DEGREE
66011	HOME HEALTH CARE WORKERS	980	1,420	440	44.9	11	SHORT-TERM ON-THE-JOB TRAINING
32911	MEDICAL RECORDS TECHNICIANS	570	820	250	43.9	06	ASSOCIATE DEGREE
91502	NUMERICAL MACH TOOL OPS--MET, PLASTIC	770	1,100	330	42.9	10	MODERATE-TERM ON-THE-JOB TRAINING
21111	TAX PREPARERS	490	680	190	38.8	11	SHORT-TERM ON-THE-JOB TRAINING
68026	FLIGHT ATTENDANTS	310	430	120	38.7	09	LONG-TERM ON-THE-JOB TRAINING
22302	ARCHITECTS--EX LANDSCAPE, MARINE	790	1,090	300	38.0	05	BACHELOR'S DEGREE
22521	SURVEYING AND MAPPING TECHS	400	550	150	37.5	07	POST-SECONDARY VOCATIONAL EDUCATION
92953	PAINTING, REL MACH OPS, TENDERS	400	550	150	37.5	10	MODERATE-TERM ON-THE-JOB TRAINING
21905	MANAGEMENT ANALYSTS	710	960	250	35.2	03	MASTER'S DEGREE
87805	SHEET METAL DUCT INSTALLERS	890	1,200	310	34.8	10	MODERATE-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	10,050	13,360	3,310	32.9	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
27308	HUMAN SERVICES WORKERS	1,530	2,030	500	32.7	10	MODERATE-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	4,810	6,370	1,560	32.4	11	SHORT-TERM ON-THE-JOB TRAINING
34008	PUB REL SPECS, PUBLICITY WRITERS	900	1,190	290	32.2	05	BACHELOR'S DEGREE
24105	CHEMISTS, EXCEPT BIOCHEMISTS	720	950	230	31.9	05	BACHELOR'S DEGREE
22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,170	1,540	370	31.6	05	BACHELOR'S DEGREE
63014	POLICE PATROL OFFICERS	2,070	2,720	650	31.4	09	LONG-TERM ON-THE-JOB TRAINING
32302	RESPIRATORY CARE PRACTITIONERS	510	670	160	31.4	06	ASSOCIATE DEGREE
34035	ARTISTS AND RELATED WORKERS	1,260	1,650	390	31.0	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
31303	TEACHERS, PRESCHOOL	3,200	4,190	990	30.9	05	BACHELOR'S DEGREE
22502	CIVIL ENGINEERING TECHNICIANS	520	680	160	30.8	06	ASSOCIATE DEGREE
89132	SHEET METAL WORKERS	1,240	1,620	380	30.6	10	MODERATE-TERM ON-THE-JOB TRAINING
32508	EMERGENCY MEDICAL TECHNICIANS	980	1,280	300	30.6	07	POST-SECONDARY VOCATIONAL EDUCATION
27307	RESIDENTIAL COUNSELORS	720	940	220	30.6	05	BACHELOR'S DEGREE
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	490	640	150	30.6	03	MASTER'S DEGREE
66005	MEDICAL ASSISTANTS	2,100	2,740	640	30.5	10	MODERATE-TERM ON-THE-JOB TRAINING
32511	PHYSICIAN'S ASSISTANTS	330	430	100	30.3	05	BACHELOR'S DEGREE
43017	SALES AGENTS--SEL BUS SERVICES	2,480	3,230	750	30.2	10	MODERATE-TERM ON-THE-JOB TRAINING
87317	PLASTERERS AND STUCCO MASONS	910	1,180	270	29.7	09	LONG-TERM ON-THE-JOB TRAINING
34005	TECHNICAL WRITERS	1,830	2,370	540	29.5	05	BACHELOR'S DEGREE
27105	URBAN AND REGIONAL PLANNERS	510	660	150	29.4	03	MASTER'S DEGREE
85323	AIRCRAFT MECHANICS	310	400	90	29.0	07	POST-SECONDARY VOCATIONAL EDUCATION
32518	PHARMACY TECHNICIANS	590	760	170	28.8	10	MODERATE-TERM ON-THE-JOB TRAINING
27102	ECONOMISTS--INCL MKT RESRCH ANALYST	520	670	150	28.8	05	BACHELOR'S DEGREE
25108	COMPUTER PROGRAMMER AIDES	1,050	1,350	300	28.6	05	BACHELOR'S DEGREE
53123	ADJUSTMENT CLERKS	2,280	2,930	650	28.5	11	SHORT-TERM ON-THE-JOB TRAINING
15017	CONSTRUCTION MANAGERS	1,950	2,500	550	28.2	05	BACHELOR'S DEGREE
53508	BILL AND ACCOUNT COLLECTORS	1,790	2,290	500	27.9	11	SHORT-TERM ON-THE-JOB TRAINING
53808	HOTEL DESK CLERKS	760	970	210	27.6	11	SHORT-TERM ON-THE-JOB TRAINING
21908	CONST AND BUILDING INSPECTORS	400	510	110	27.5	08	WORK EXPERIENCE
21508	EMPL INTERVIEWERS--PRIV OR PUB	620	790	170	27.4	05	BACHELOR'S DEGREE
87102	CARPENTERS	6,630	8,430	1,800	27.1	09	LONG-TERM ON-THE-JOB TRAINING
93111	ELECTROMECH EQUIP ASSEMBLERS--PREC	2,160	2,740	580	26.9	08	WORK EXPERIENCE
24502	BIOLOGICAL, AGRI, FOOD TECHS	450	570	120	26.7	06	ASSOCIATE DEGREE
TOTAL OF THESE OCCUPATIONS		106,330	156,720	50,390	47.4		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 400 in 2006.

(2) March 2000 Benchmark

Table 6
Occupational Employment Projections (1)
1999 - 2006
SANTA CLARA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
1		TOTAL, ALL OCCUPATIONS	971,300	1,157,200	185,900	19.1	170,510		
2	10000	MGRS AND ADMIN OCCUPATIONS	82,600	98,230	15,630	18.9	10,920		
3	13002	FINANCIAL MANAGERS	5,920	6,730	810	13.7	690	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	2,220	2,590	370	16.7	390	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	1,770	1,940	170	9.6	290	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	7,750	9,260	1,510	19.5	810	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	3,930	4,770	840	21.4	530	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	10,050	13,360	3,310	32.9	1,410	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	2,440	2,720	280	11.5	440	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	830	1,000	170	20.5	110	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	1,260	1,370	110	8.7	120	05	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	3,600	3,670	70	1.9	440	05	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	1,950	2,500	550	28.2	270	05	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	840	1,000	160	19.0	110	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	1,680	1,920	240	14.3	220	08	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	310	340	30	9.7	60	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	27,690	33,030	5,340	19.3	3,670	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	10,360	12,030	1,670	16.1	1,360	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	285,300	360,780	75,480	26.5	42,530		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	37,480	44,140	6,660	17.8	5,620		

Table 6
Occupational Employment Projections (1)
1999 - 2006
SANTA CLARA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	15,630	18,640	3,010	19.3	2,160		
26	21102	UNDERWRITERS	230	220	-10	-4.3	40	05	BACHELOR'S DEGREE
27	21105	CREDIT ANALYSTS	170	190	20	11.8	30	05	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	920	1,040	120	13.0	150	05	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	490	680	190	38.8	90	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	9,310	10,950	1,640	17.6	1,090	05	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	760	850	90	11.8	120	05	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	3,750	4,710	960	25.6	640	05	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	4,800	5,390	590	12.3	900		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	760	800	40	5.3	130	05	BACHELOR'S DEGREE
35	21305	PURCH AGTS AND BUYERS--FARM PRODS	170	180	10	5.9	30	08	WORK EXPERIENCE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	3,870	4,410	540	14.0	740	05	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	4,060	4,820	760	18.7	820		
39	21505	SPECIAL AGENTS--INSURANCE	110	110	0	0.0	20	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	620	790	170	27.4	130	05	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	3,330	3,920	590	17.7	670	05	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	12,990	15,290	2,300	17.7	1,740		
43	21902	COST ESTIMATORS	1,640	1,860	220	13.4	150	08	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	710	960	250	35.2	50	03	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	400	510	110	27.5	80	08	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	540	590	50	9.3	70	08	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	290	320	30	10.3	50	05	BACHELOR'S DEGREE
49	21921	CLAIMS EXAMINERS--INSURANCE	170	170	0	0.0	20	05	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	9,240	10,880	1,640	17.7	1,320	05	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
SANTA CLARA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	87,380	111,060	23,680	27.1	12,660		
52	22100	ENGINEERS	64,600	84,440	19,840	30.7	8,850		
53	22102	AERONAUT, ASTRONAUTICAL ENGINEERS	1,490	1,390	-100	-6.7	160	05	BACHELOR'S DEGREE
54	22105	METALLURGISTS, RELATED ENGINEERS	240	270	30	12.5	40	05	BACHELOR'S DEGREE
57	22114	CHEMICAL ENGINEERS	1,010	1,000	-10	-1.0	160	05	BACHELOR'S DEGREE
58	22117	NUCLEAR ENGINEERS	220	290	70	31.8	40	05	BACHELOR'S DEGREE
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,170	1,540	370	31.6	180	05	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	19,030	22,470	3,440	18.1	3,060	05	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	19,000	31,980	12,980	68.3	1,060	05	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	3,730	3,560	-170	-4.6	350	05	BACHELOR'S DEGREE
64	22132	SAFETY ENGINEERS--EXCEPT MINING	210	240	30	14.3	20	05	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	3,000	3,320	320	10.7	420	05	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	15,500	18,380	2,880	18.6	3,360	05	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	1,400	1,840	440	31.4	210		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	790	1,090	300	38.0	100	05	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	610	750	140	23.0	110	05	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	21,380	24,780	3,400	15.9	3,600		
74	22502	CIVIL ENGINEERING TECHNICIANS	520	680	160	30.8	110	06	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	10,290	11,670	1,380	13.4	1,550	06	ASSOCIATE DEGREE
76	22508	INDUST ENGINEERING TECHS	750	800	50	6.7	110	06	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	1,500	1,770	270	18.0	230	06	ASSOCIATE DEGREE
78	22514	DRAFTERS	2,890	3,320	430	14.9	520	07	POST-SECONDARY VOCATIONAL EDUCATION
79	22517	ESTIMATORS, DRAFTERS--UTILITIES	100	100	0	0.0	20	07	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	400	550	150	37.5	80	07	POST-SECONDARY VOCATIONAL EDUCATION

Table 6
Occupational Employment Projections (1)
1999 - 2006
SANTA CLARA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
81	22599	ENGINEERING, RELATED TECHS, NEC	4,930	5,890	960	19.5	980	06	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	7,540	9,470	1,930	25.6	1,340		
83	24100	PHYSICAL SCIENTISTS	1,590	2,000	410	25.8	300		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	720	950	230	31.9	130	05	BACHELOR'S DEGREE
86	24108	ATMOSPHERIC AND SPACE SCIENTISTS	110	130	20	18.2	20	05	BACHELOR'S DEGREE
87	24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	190	270	80	42.1	40	05	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	570	650	60	14.0	80	05	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	2,660	3,660	1,000	37.6	470		
92	24308	BIOLOGICAL SCIENTISTS	1,340	2,000	660	49.3	240	02	DOCTORAL DEGREE
93	24311	MEDICAL SCIENTISTS	240	350	110	45.8	60	02	DOCTORAL DEGREE
94	24399	LIFE SCIENTISTS, NEC	1,080	1,310	230	21.3	170	02	DOCTORAL DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	3,290	3,810	520	15.8	570		
96	24502	BIOLOGICAL, AGRI, FOOD TECHS	450	570	120	26.7	80	06	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	900	1,050	150	16.7	160	06	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	1,940	2,190	200	13.2	260	06	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	40,570	62,950	22,380	55.2	5,490		
102	25100	COMPUTER SCIENTISTS AND RELATED	39,110	61,350	22,240	56.9	5,230		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	8,760	16,210	7,450	85.0	520	05	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	1,700	2,970	1,270	74.7	260	05	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	10,650	18,310	7,660	71.9	600	05	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	14,200	17,240	3,040	21.4	3,400	05	BACHELOR'S DEGREE

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			1999 (2)	2,006					
107	25108	COMPUTER PROGRAMMER AIDES	1,050	1,350	300	28.6	260	05	BACHELOR'S DEGREE
108	25111	NC TOOL, PROCESS PROGRAMMERS	160	190	30	18.8	30	08	WORK EXPERIENCE
109	25199	COMPUTER SCIENTISTS, REL WRKRS, NEC	2,590	5,080	2,490	96.1	160	05	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	1,460	1,600	140	9.6	260		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	900	950	50	5.6	200	03	MASTER'S DEGREE
113	25312	STATISTICIANS	130	150	20	15.4	10	05	BACHELOR'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	430	500	70	16.3	50	05	BACHELOR'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	9,550	11,640	2,090	21.9	1,520		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	1,770	2,170	400	22.6	270		
120	27102	ECONOMISTS--INCL MKT RESRCH ANALYS	520	670	150	28.8	90	05	BACHELOR'S DEGREE
121	27105	URBAN AND REGIONAL PLANNERS	510	660	150	29.4	80	03	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	550	630	80	14.5	70	03	MASTER'S DEGREE
123	27199	SOCIAL SCIENTISTS, NEC	190	210	20	10.5	30	03	MASTER'S DEGREE
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	6,700	8,220	1,520	22.7	1,110		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	1,180	1,450	270	22.9	120	03	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,170	1,410	240	20.5	110	05	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	720	940	220	30.6	130	05	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	1,530	2,030	500	32.7	330	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	2,100	2,390	290	13.8	420	05	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	1,080	1,250	170	15.7	140		
131	27502	CLERGY	390	440	50	12.8	60	01	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	310	380	70	22.6	40	05	BACHELOR'S DEGREE
133	27599	RELIGIOUS WORKERS, NEC	380	430	50	13.2	40	05	BACHELOR'S DEGREE

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			1999 (2)	2,006					
134	28000	LAW AND RELATED OCCUPATIONS	5,050	6,260	1,210	24.0	410		
135	28100	LAWYERS AND RELATED WORKERS	3,460	4,220	760	22.0	290		
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	130	120	-10	-7.7	10	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	3,330	4,100	770	23.1	280	01	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	1,590	2,040	450	28.3	120		
140	28302	LAW CLERKS	370	370	0	0.0	30	06	ASSOCIATE DEGREE
141	28305	PARALEGAL PERSONNEL	730	1,100	370	50.7	50	06	ASSOCIATE DEGREE
143	28311	TITLE EXAMINERS AND ABSTRACTORS	100	90	-10	-10.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
144	28399	LEGAL ASSTS, TECHS-EX CLER, NEC	390	480	90	23.1	30	06	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	47,130	55,090	7,960	16.9	7,660		
146	31100	POSTSECONDARY TEACHERS	10,430	12,130	1,700	16.3	2,150		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	650	750	100	15.4	100	03	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	1,140	1,310	170	14.9	240	03	MASTER'S DEGREE
151	31202	LIFE SCIENCES TEACHERS, POSTSECON	360	440	80	22.2	80	02	DOCTORAL DEGREE
152	31204	CHEMISTRY TEACHERS, POSTSECONDARY	140	160	20	14.3	30	02	DOCTORAL DEGREE
154	31209	PHYSICAL SCIENCE TEACHERS, POSTSEC	350	410	60	17.1	70	02	DOCTORAL DEGREE
155	31211	HEALTH DIAGNOSTICS TEACHERS, POSTS	100	130	30	30.0	20	02	DOCTORAL DEGREE
157	31213	COMMUNICATIONS TEACHERS, POSTSECON	150	190	40	26.7	30	02	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	740	850	110	14.9	150	02	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTS	330	380	50	15.2	70	02	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	610	700	90	14.8	130	02	DOCTORAL DEGREE
161	31222	ENGINEERING TEACHERS, POSTSECONDA	210	240	30	14.3	40	02	DOCTORAL DEGREE

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			1999 (2)	2,006					
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	600	700	100	16.7	130	02	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	230	300	70	30.4	50	02	DOCTORAL DEGREE
166	31231	ANTHRO & SOCIOLOGY TEACHERS, POSTS	130	150	20	15.4	30	02	DOCTORAL DEGREE
170	31235	HISTORY TEACHERS, POSTSECONDARY	140	160	20	14.3	30	02	DOCTORAL DEGREE
171	31236	POLITICAL SCIENCE TEACHERS, POSTSE	120	140	20	16.7	30	02	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	620	720	100	16.1	130	02	DOCTORAL DEGREE
173	31239	SOCIAL SCIENCES TEACHERS, POSTSECO	390	450	60	15.4	80	02	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	780	900	120	15.4	160	02	DOCTORAL DEGREE
175	31244	LAW TEACHERS, POSTSECONDARY	150	170	20	13.3	30	02	DOCTORAL DEGREE
176	31246	CRIMINAL JUSTICE & LAW ENFORCE TEA	150	170	20	13.3	30	02	DOCTORAL DEGREE
178	31252	EDUCATION TEACHERS, POSTSECONDARY	210	250	40	19.0	40	02	DOCTORAL DEGREE
179	31254	PHILOSOPHY & RELIGION TEACHERS, PO	170	200	30	17.6	40	02	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	1,960	2,260	300	15.3	410	02	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	30,140	34,970	4,830	16.0	4,760		
185	31303	TEACHERS, PRESCHOOL	3,200	4,190	990	30.9	550	05	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	1,180	1,310	130	11.0	180	05	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	8,510	9,350	840	9.9	1,420	05	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	7,920	9,280	1,360	17.2	1,910	05	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	1,830	2,280	450	24.6	120	05	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	1,300	1,490	190	14.6	100	08	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	1,050	1,250	200	19.0	80	08	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	2,420	2,860	440	18.2	190	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	2,730	2,960	230	8.4	210	03	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	6,560	7,990	1,430	21.8	750		
196	31502	LIBRARIANS--PROFESSIONAL	710	770	60	8.5	130	03	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	330	390	60	18.2	70	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	730	860	130	17.8	130	03	MASTER'S DEGREE

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			1999 (2)	2,006					
201	31517	INSTRUCTIONAL COORDINATORS	420	520	100	23.8	30	05	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	4,370	5,450	1,080	24.7	390	06	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	32,830	38,020	5,190	15.8	4,640		
204	32100	HEALTH DIAGNOSING, TREATING	4,650	5,300	650	14.0	620		
205	32102	PHYSICIANS AND SURGEONS	2,610	3,070	460	17.6	310	01	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	1,410	1,540	130	9.2	210	01	FIRST PROFESSIONAL DEGREE
207	32108	OPTOMETRISTS	280	290	10	3.6	40	01	FIRST PROFESSIONAL DEGREE
208	32111	PODIATRISTS	130	130	0	0.0	20	01	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	220	270	50	22.7	40	01	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	2,090	2,540	450	21.5	240		
213	32302	RESPIRATORY CARE PRACTITIONERS	510	670	160	31.4	60	06	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	380	430	50	13.2	40	05	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	610	700	90	14.8	70	05	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	490	640	150	30.6	60	03	MASTER'S DEGREE
218	32317	RECREATIONAL THERAPISTS	100	100	0	0.0	10	05	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	16,690	18,960	2,270	13.6	2,300		
221	32502	REGISTERED NURSES	10,370	11,560	1,190	11.5	1,240	06	ASSOCIATE DEGREE
222	32505	LICENSED VOCATIONAL NURSES	2,300	2,430	130	5.7	350	07	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	980	1,280	300	30.6	190	07	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	330	430	100	30.3	40	05	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	460	520	60	13.0	40	09	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	1,080	1,290	210	19.4	230	05	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	590	760	170	28.8	120	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	400	500	100	25.0	60	05	BACHELOR'S DEGREE



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			1999 (2)	2,006					
229	32523	DIETETIC TECHNICIANS	180	190	10	5.6	30	06	ASSOCIATE DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	9,400	11,220	1,820	19.4	1,480		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	890	960	70	7.9	80	05	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	1,180	1,350	170	14.4	110	06	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	1,360	1,650	290	21.3	230	06	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	570	820	250	43.9	120	06	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	490	540	50	10.2	50	06	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	160	200	40	25.0	30	07	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	420	420	0	0.0	40	06	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS	260	290	30	11.5	40	06	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	4,070	4,990	920	22.6	780	06	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	8,250	10,090	1,840	22.3	1,390		
246	34002	WRITERS AND EDITORS	930	1,020	90	9.7	180	05	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS	1,830	2,370	540	29.5	380	05	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	900	1,190	290	32.2	190	05	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	280	250	-30	-10.7	60	05	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	120	130	10	8.3	20	09	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	220	220	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
257	34035	ARTISTS AND RELATED WORKERS	1,260	1,650	390	31.0	210	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	1,510	1,890	380	25.2	170	05	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	130	180	50	38.5	20	05	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	300	300	0	0.0	30	05	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	240	270	30	12.5	30	09	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	300	340	40	13.3	40	09	LONG-TERM ON-THE-JOB TRAINING
264	34056	PRODUCERS, DIRECTORS, ACTORS	230	280	50	21.7	40	09	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	9,520	12,060	2,540	26.7	1,800		
272	39999	OTHER PROF, PARAPROF, TECHNICAL	9,520	12,060	2,540	26.7	1,800	05	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	100,050	119,360	19,310	19.3	22,520		
274	41000	FIRST-LINE SUP/MGR--SALES	11,420	13,790	2,370	20.8	1,130	08	WORK EXPERIENCE
275	43000	SALES AGENTS--SERVICE	8,220	9,780	1,560	19.0	1,430		
276	43002	SALES AGENTS, PLACERS--INSURANCE	710	730	20	2.8	110	09	LONG-TERM ON-THE-JOB TRAINING
277	43005	BROKERS--REAL ESTATE	210	210	0	0.0	30	08	WORK EXPERIENCE
278	43008	SALES AGENTS--REAL ESTATE	250	290	40	16.0	40	07	POST-SECONDARY VOCATIONAL EDUCATION
279	43011	APPRAISERS--REAL ESTATE	120	130	10	8.3	20	08	WORK EXPERIENCE
280	43014	SALES AGENTS--FINANCIAL SERVICES	1,090	1,210	120	11.0	60	09	LONG-TERM ON-THE-JOB TRAINING
281	43017	SALES AGENTS--SEL BUS SERVICES	2,480	3,230	750	30.2	410	10	MODERATE-TERM ON-THE-JOB TRAINING
282	43021	TRAVEL AGENTS	1,350	1,460	110	8.1	210	07	POST-SECONDARY VOCATIONAL EDUCATION
283	43023	SALES AGENTS--ADVERTISING	630	730	100	15.9	130	10	MODERATE-TERM ON-THE-JOB TRAINING
284	43099	SALES REPS, SERVICE--NEC	1,380	1,790	410	29.7	420	10	MODERATE-TERM ON-THE-JOB TRAINING
285	49000	MERCH, PRODUCTS AND OTHER SALES	80,410	95,790	15,380	19.1	19,960		
286	49002	SALES ENGINEERS	2,980	3,650	670	22.5	440	05	BACHELOR'S DEGREE
287	49005	SALES REPS, SCIENTIFIC--EX RETAIL	7,010	8,280	1,270	18.1	1,300	10	MODERATE-TERM ON-THE-JOB TRAINING
288	49008	SALES REPS, NON-SCIENTIFIC EX RET	8,930	9,740	810	9.1	1,590	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49011	SALESPERSONS, RETAIL	25,180	30,910	5,730	22.8	6,770	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
290	49014	SALESPERSONS--PARTS	2,010	2,040	30	1.5	410	10	MODERATE-TERM ON-THE-JOB TRAINING
291	49017	COUNTER AND RENTAL CLERKS	2,930	3,600	670	22.9	1,000	11	SHORT-TERM ON-THE-JOB TRAINING
292	49021	STOCK CLERKS--SALES FLOOR	7,140	7,880	740	10.4	780	11	SHORT-TERM ON-THE-JOB TRAINING
293	49023	CASHIERS	16,640	20,180	3,540	21.3	5,850	11	SHORT-TERM ON-THE-JOB TRAINING
294	49026	TELEMARKETERS, SOLICITORS & RELATE	2,100	2,460	360	17.1	420	11	SHORT-TERM ON-THE-JOB TRAINING
295	49034	DEMONSTRATORS AND PROMOTERS	200	260	60	30.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
297	49999	SALES AND RELATED WORKERS, NEC	5,290	6,790	1,500	28.4	1,350	10	MODERATE-TERM ON-THE-JOB TRAINING
298	50000	CLERICAL, ADMINISTRATIVE SUPPORT	152,540	170,510	17,970	11.8	23,330		
299	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	11,920	14,160	2,240	18.8	2,030	08	WORK EXPERIENCE
300	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	16,750	19,080	2,330	13.9	3,000		
301	53100	BANKING, SECURITY, FINANCE, CREDIT	7,980	8,700	720	9.0	1,430		
302	53102	TELLERS	3,520	3,510	-10	-0.3	1,080	11	SHORT-TERM ON-THE-JOB TRAINING
303	53105	NEW ACCOUNTS CLERKS	460	520	60	13.0	110	08	WORK EXPERIENCE
305	53111	LOAN INTERVIEWERS	130	110	-20	-15.4	10	11	SHORT-TERM ON-THE-JOB TRAINING
307	53117	CREDIT CHECKERS	250	250	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
308	53121	LOAN AND CREDIT CLERKS	860	880	20	2.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
309	53123	ADJUSTMENT CLERKS	2,280	2,930	650	28.5	120	11	SHORT-TERM ON-THE-JOB TRAINING
311	53128	BROKERAGE CLERKS	480	500	20	4.2	40	11	SHORT-TERM ON-THE-JOB TRAINING
312	53300	INSURANCE WORKERS	1,540	1,610	70	4.5	180		
313	53302	INS ADJUST, EXAMIN, INVESTIGATORS	670	720	50	7.5	80	09	LONG-TERM ON-THE-JOB TRAINING
316	53311	INSURANCE CLAIMS CLERKS	570	590	20	3.5	70	10	MODERATE-TERM ON-THE-JOB TRAINING

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
317	53314	INSURANCE POLICY PROCESSING CLERKS	300	300	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53500	INVESTIGATIVE, RELATED, EX INSUR	2,020	2,510	490	24.3	410		
319	53502	WELFARE ELIG WORKERS, INTERVIEWERS	230	220	-10	-4.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
321	53508	BILL AND ACCOUNT COLLECTORS	1,790	2,290	500	27.9	380	11	SHORT-TERM ON-THE-JOB TRAINING
326	53800	LODGING AND TRAVEL WORKERS	1,490	1,830	340	22.8	360		
327	53802	TRAVEL CLERKS	110	130	20	18.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
328	53805	RESERVATION, TRANS TICKET AGENTS	620	730	110	17.7	100	11	SHORT-TERM ON-THE-JOB TRAINING
329	53808	HOTEL DESK CLERKS	760	970	210	27.6	240	11	SHORT-TERM ON-THE-JOB TRAINING
330	53900	MISC INDUSTRY SPECIFIC CLERICAL	3,720	4,430	710	19.1	620		
331	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	840	950	110	13.1	310	11	SHORT-TERM ON-THE-JOB TRAINING
332	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	2,420	3,000	580	24.0	210	11	SHORT-TERM ON-THE-JOB TRAINING
334	53911	PROOFREADERS AND COPY MARKERS	180	180	0	0.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
335	53914	REAL ESTATE CLERKS	280	300	20	7.1	60	11	SHORT-TERM ON-THE-JOB TRAINING
336	55000	SECRETARIAL, GENERAL OFFICE OCCS	82,310	91,520	9,210	11.2	13,030		
337	55100	SECRETARIES	21,590	23,450	1,860	8.6	2,530		
338	55102	SECRETARIES, LEGAL	2,270	2,560	290	12.8	270	07	POST-SECONDARY VOCATIONAL EDUCATION
339	55105	SECRETARIES, MEDICAL	720	760	40	5.6	80	07	POST-SECONDARY VOCATIONAL EDUCATION
340	55108	SECRETARIES, GENERAL	18,600	20,130	1,530	8.2	2,180	07	POST-SECONDARY VOCATIONAL EDUCATION
341	55300	MISC SECRETARIAL, GENL OFF OCCS	60,720	68,070	7,350	12.1	10,500		
342	55302	STENOGRAPHERS AND/OR COURT REPORTE	370	380	10	2.7	40	07	POST-SECONDARY VOCATIONAL EDUCATION
343	55305	RECEPTIONISTS, INFORMATION CLERKS	10,680	12,900	2,220	20.8	1,590	11	SHORT-TERM ON-THE-JOB TRAINING
344	55307	TYPISTS, INCLUDING WORD PROCESSING	2,260	2,050	-210	-9.3	300	10	MODERATE-TERM ON-THE-JOB TRAINING



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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
345	55314	PERS CLERKS--EX PAYROLL	990	1,040	50	5.1	130	11	SHORT-TERM ON-THE-JOB TRAINING
347	55321	FILE CLERKS	2,400	2,820	420	17.5	640	11	SHORT-TERM ON-THE-JOB TRAINING
348	55323	ORDER CLERKS--MATERIALS, SERVICE	3,770	4,040	270	7.2	650	11	SHORT-TERM ON-THE-JOB TRAINING
349	55326	PROCUREMENT CLERKS	420	400	-20	-4.8	40	11	SHORT-TERM ON-THE-JOB TRAINING
350	55328	STATISTICAL CLERKS	310	310	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
351	55332	INTERVIEW CLERKS--EX PERS, WELFARE	280	320	40	14.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
352	55335	CUSTOMER SERVICE REPS--UTILITIES	1,240	1,400	160	12.9	220	11	SHORT-TERM ON-THE-JOB TRAINING
353	55338	BOOKKEEPING, ACCOUNTING CLERKS	12,820	13,580	760	5.9	1,710	10	MODERATE-TERM ON-THE-JOB TRAINING
354	55341	PAYROLL AND TIMEKEEPING CLERKS	1,050	1,110	60	5.7	150	11	SHORT-TERM ON-THE-JOB TRAINING
355	55344	BILLING, COST, AND RATE CLERKS	2,220	2,520	300	13.5	330	11	SHORT-TERM ON-THE-JOB TRAINING
356	55347	GENERAL OFFICE CLERKS	21,910	25,200	3,290	15.0	4,600	11	SHORT-TERM ON-THE-JOB TRAINING
357	56000	EDP AND OFFICE MACHINE OCCUPATIONS	6,940	6,900	-40	-0.6	700		
358	56002	BILLING, POSTING, CALC MACHINE OPS	440	420	-20	-4.5	60	11	SHORT-TERM ON-THE-JOB TRAINING
359	56005	DUPLICATING MACHINE OPERATORS	680	710	30	4.4	150	11	SHORT-TERM ON-THE-JOB TRAINING
360	56008	MAIL MACH OPS--PREP AND HANDLING	150	150	0	0.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
361	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	2,500	2,130	-370	-14.8	230	10	MODERATE-TERM ON-THE-JOB TRAINING
362	56014	PERIPHERAL EDP EQUIPMENT OPERATORS	280	190	-90	-32.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
363	56017	DATA ENTRY KEYERS--EX COMPOSING	2,640	3,030	390	14.8	150	07	POST-SECONDARY VOCATIONAL EDUCATION
365	56099	OFFICE MACHINE OPERATORS, NEC	250	270	20	8.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
366	57000	COMMUNICATIONS, MAIL DISTRIBUTION	6,570	7,010	440	6.7	1,160		
367	57100	COMMUNICATION EQUIPMENT OPERATORS	1,650	1,540	-110	-6.7	250		
368	57102	SWITCHBOARD OPERATORS	1,190	1,160	-30	-2.5	180	11	SHORT-TERM ON-THE-JOB TRAINING
369	57105	DIRECTORY ASSISTANCE OPERATORS	120	90	-30	-25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
370	57108	CENTRAL OFFICE OPERATORS	340	290	-50	-14.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING

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373	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	4,920	5,470	550	11.2	910		
374	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	590	650	60	10.2	100	11	SHORT-TERM ON-THE-JOB TRAINING
375	57305	POSTAL MAIL CARRIERS	2,250	2,350	100	4.4	450	11	SHORT-TERM ON-THE-JOB TRAINING
376	57308	POSTAL SERVICE CLERKS	380	390	10	2.6	40	11	SHORT-TERM ON-THE-JOB TRAINING
377	57311	MESSENGERS	1,700	2,080	380	22.4	320	11	SHORT-TERM ON-THE-JOB TRAINING
378	58000	MATERIAL RECORDING, DISPATCHING	22,110	24,450	2,340	10.6	2,660		
379	58002	DISPATCH--POLICE, FIRE, AMBULANCE	410	460	50	12.2	50	10	MODERATE-TERM ON-THE-JOB TRAINING
380	58005	DISPATCH--EX POLICE, FIRE, AMBUL	1,030	1,220	190	18.4	130	10	MODERATE-TERM ON-THE-JOB TRAINING
381	58008	PROD, PLANNING, EXPEDITING CLERKS	3,850	4,030	180	4.7	320	11	SHORT-TERM ON-THE-JOB TRAINING
382	58011	TRANSPORTATION AGENTS	140	180	40	28.6	10	11	SHORT-TERM ON-THE-JOB TRAINING
383	58014	METER READERS--UTILITIES	180	200	20	11.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
384	58017	WEIGHERS, MEASURERS--RECORDKEEPING	170	180	10	5.9	30	11	SHORT-TERM ON-THE-JOB TRAINING
386	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	5,800	6,680	880	15.2	650	11	SHORT-TERM ON-THE-JOB TRAINING
387	58026	ORDER FILLERS--WHLE & RET SALES	1,440	1,590	150	10.4	250	11	SHORT-TERM ON-THE-JOB TRAINING
388	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	7,780	8,450	670	8.6	940	11	SHORT-TERM ON-THE-JOB TRAINING
389	58099	MATERIAL RECORDING, RELATED, NEC	1,310	1,460	150	11.5	250	11	SHORT-TERM ON-THE-JOB TRAINING
390	59000	CLERICAL, ADMIN SUPPORT, NEC	5,940	7,390	1,450	24.4	750	11	SHORT-TERM ON-THE-JOB TRAINING
392	60000	SERVICE OCCUPATIONS	115,010	133,690	18,680	16.2	29,470		
393	61000	FIRST-LINE SUP/MGR--SERVICE	6,630	7,890	1,260	19.0	1,260		
394	61002	FIRE FIGHTING & PREVENTION SUPS	740	870	130	17.6	190	08	WORK EXPERIENCE

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			1999 (2)	2,006					
395	61005	POLICE AND DETECTIVE SUPERVISORS	780	900	120	15.4	170	08	WORK EXPERIENCE
396	61008	HOUSEKEEPING SUPERVISORS	280	320	40	14.3	50	08	WORK EXPERIENCE
397	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	4,830	5,800	970	20.1	850	08	WORK EXPERIENCE
398	63000	PROTECTIVE SERVICE OCCUPATIONS	13,510	16,100	2,590	19.2	3,300		
401	63008	FIRE FIGHTERS	2,420	2,720	300	12.4	440	09	LONG-TERM ON-THE-JOB TRAINING
402	63011	POLICE DETECTIVES	180	230	50	27.8	40	08	WORK EXPERIENCE
403	63014	POLICE PATROL OFFICERS	2,070	2,720	650	31.4	440	09	LONG-TERM ON-THE-JOB TRAINING
404	63017	CORRECTION OFFICERS, JAILERS	130	150	20	15.4	30	09	LONG-TERM ON-THE-JOB TRAINING
410	63035	DETECTIVES, INVESTIGATORS--EX PUB	440	510	70	15.9	80	10	MODERATE-TERM ON-THE-JOB TRAINING
413	63044	CROSSING GUARDS	120	140	20	16.7	30	11	SHORT-TERM ON-THE-JOB TRAINING
414	63047	GUARDS AND WATCH GUARDS	6,310	7,520	1,210	19.2	1,220	11	SHORT-TERM ON-THE-JOB TRAINING
415	63099	PROTECTIVE SERVICE WORKERS, NEC	1,840	2,110	270	14.7	1,020	11	SHORT-TERM ON-THE-JOB TRAINING
416	65000	FOOD, BEV PREP AND SERVICE OCCS	52,580	58,600	6,020	11.4	18,230		
417	65002	HOSTS, HOSTESSES--RESTAURANTS	1,800	2,090	290	16.1	420	11	SHORT-TERM ON-THE-JOB TRAINING
418	65005	BARTENDERS	2,450	2,530	80	3.3	750	11	SHORT-TERM ON-THE-JOB TRAINING
419	65008	WAITERS AND WAITRESSES	12,290	13,980	1,690	13.8	5,120	11	SHORT-TERM ON-THE-JOB TRAINING
420	65011	FOOD SERVERS--OUTSIDE	130	160	30	23.1	90	11	SHORT-TERM ON-THE-JOB TRAINING
421	65014	DINING RM ATTENDANTS, BAR HELPERS	3,350	3,440	90	2.7	770	11	SHORT-TERM ON-THE-JOB TRAINING
422	65017	COUNTER ATTENDANTS--FOOD	1,960	2,200	240	12.2	1,320	11	SHORT-TERM ON-THE-JOB TRAINING
423	65021	BAKERS--BREAD AND PASTRY	940	1,020	80	8.5	190	10	MODERATE-TERM ON-THE-JOB TRAINING
424	65023	BUTCHERS AND MEAT CUTTERS	850	810	-40	-4.7	140	09	LONG-TERM ON-THE-JOB TRAINING
425	65026	COOKS--RESTAURANT	5,750	6,680	930	16.2	1,170	09	LONG-TERM ON-THE-JOB TRAINING
426	65028	COOKS--INSTITUTION OR CAFETERIA	1,190	1,240	50	4.2	230	09	LONG-TERM ON-THE-JOB TRAINING
427	65032	COOKS--SPECIALTY FAST FOOD	2,450	2,820	370	15.1	500	11	SHORT-TERM ON-THE-JOB TRAINING
428	65035	COOKS--SHORT ORDER	670	780	110	16.4	140	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
429	65038	FOOD PREPARATION WORKERS	6,660	7,250	590	8.9	2,710	11	SHORT-TERM ON-THE-JOB TRAINING
430	65041	COMBINED FOOD PREP AND SERVICE	9,190	10,170	980	10.7	3,780	11	SHORT-TERM ON-THE-JOB TRAINING
431	65099	FOOD SERVICE WORKERS, NEC	2,900	3,430	530	18.3	900	11	SHORT-TERM ON-THE-JOB TRAINING
432	66000	HEALTH SERVICE, RELATED OCCS	10,530	12,710	2,180	20.7	1,440		
433	66002	DENTAL ASSISTANTS	2,200	2,700	500	22.7	260	10	MODERATE-TERM ON-THE-JOB TRAINING
434	66005	MEDICAL ASSISTANTS	2,100	2,740	640	30.5	420	10	MODERATE-TERM ON-THE-JOB TRAINING
435	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	3,700	4,040	340	9.2	370	11	SHORT-TERM ON-THE-JOB TRAINING
436	66011	HOME HEALTH CARE WORKERS	980	1,420	440	44.9	120	11	SHORT-TERM ON-THE-JOB TRAINING
437	66014	PSYCHIATRIC AIDES	130	140	10	7.7	10	11	SHORT-TERM ON-THE-JOB TRAINING
438	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
439	66021	OCCUPATIONAL THERAPY ASSISTANTS	290	360	70	24.1	60	10	MODERATE-TERM ON-THE-JOB TRAINING
441	66026	PHARMACY AIDES	300	380	80	26.7	60	11	SHORT-TERM ON-THE-JOB TRAINING
442	66099	HEALTH SERVICE WORKERS, NEC	600	650	50	8.3	100	11	SHORT-TERM ON-THE-JOB TRAINING
443	67000	CLEANING, BLDING SERV EX PRIV HOUS	21,920	26,490	4,570	20.8	3,600		
444	67002	MAIDS AND HOUSEKEEPING CLEANERS	3,870	4,610	740	19.1	550	11	SHORT-TERM ON-THE-JOB TRAINING
445	67005	JANITORS, CLEANERS--EXCEPT MAIDS	16,110	19,510	3,400	21.1	2,730	11	SHORT-TERM ON-THE-JOB TRAINING
446	67008	PEST CONTROLLERS AND ASSISTANTS	340	420	80	23.5	60	10	MODERATE-TERM ON-THE-JOB TRAINING
448	67099	CLEANING, BLDING SERV--EX PH, NEC	1,600	1,950	350	21.9	260	11	SHORT-TERM ON-THE-JOB TRAINING
449	68000	MISC PERSONAL SERVICE OCCUPATIONS	6,660	8,230	1,570	23.6	980		
451	68005	HAIRDRESSERS, HAIRSTYLISTS	1,950	2,310	360	18.5	380	07	POST-SECONDARY VOCATIONAL EDUCATION
454	68014	AMUSEMENT, RECREATION ATTENDANTS	1,600	1,960	360	22.5	240	11	SHORT-TERM ON-THE-JOB TRAINING
456	68021	USHERS, LOBBY ATTENDANTS	700	860	160	22.9	110	11	SHORT-TERM ON-THE-JOB TRAINING
457	68023	BAGGAGE PORTERS AND BELLHOPS	130	170	40	30.8	20	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
458	68026	FLIGHT ATTENDANTS	310	430	120	38.7	50	09	LONG-TERM ON-THE-JOB TRAINING
461	68035	PERSONAL AND HOME CARE AIDES	170	240	70	41.2	40	11	SHORT-TERM ON-THE-JOB TRAINING
462	68038	CHILD CARE WORKERS	1,800	2,260	460	25.6	140	11	SHORT-TERM ON-THE-JOB TRAINING
464	69000	MISC SERVICE WORKERS	3,180	3,670	490	15.4	660	08	WORK EXPERIENCE
466	70000	AGRICULTURAL, FORESTRY, FISHING	9,790	11,930	2,140	21.9	2,170		
467	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	100	130	30	30.0	10	08	WORK EXPERIENCE
475	79000	MISC AG, FORESTRY, FISHING	9,690	11,800	2,110	21.8	2,160		
476	79002	FOREST, CONSERVATION WORKERS	180	170	-10	-5.6	30	11	SHORT-TERM ON-THE-JOB TRAINING
481	79017	ANIMAL CARETAKERS--EXCEPT FARM	500	620	120	24.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
483	79033	PRUNERS	250	320	70	28.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
485	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	7,920	9,720	1,800	22.7	1,870	11	SHORT-TERM ON-THE-JOB TRAINING
486	79806	VETERINARY ASSISTANTS	390	470	80	20.5	40	11	SHORT-TERM ON-THE-JOB TRAINING
489	79999	AG, FORESTRY, FISHING--NEC	450	500	50	11.1	100	11	SHORT-TERM ON-THE-JOB TRAINING
490	80000	PROD, CONST, OPER, MAT HANDLING	225,960	262,640	36,680	16.2	39,570		
491	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	13,510	15,930	2,420	17.9	2,820		
492	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	2,210	2,490	280	12.7	480	08	WORK EXPERIENCE
493	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	2,050	2,590	540	26.3	430	08	WORK EXPERIENCE

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494	81008	FIRST-LINE SUP/MGR-PRODUCTION	4,580	4,980	400	8.7	940	08	WORK EXPERIENCE
495	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	640	750	110	17.2	120	08	WORK EXPERIENCE
496	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	880	1,030	150	17.0	180	08	WORK EXPERIENCE
497	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	3,150	4,090	940	29.8	670	08	WORK EXPERIENCE
498	83000	INSPECTORS, RELATED OCCUPATIONS	11,380	11,800	420	3.7	1,800		
499	83002	INSPECTORS, TESTERS, & GRADERS, PRECI	2,610	2,590	-20	-0.8	370	08	WORK EXPERIENCE
500	83005	PROD INSPECTORS, TESTERS, & GRADER	7,040	6,710	-330	-4.7	1,090	08	WORK EXPERIENCE
502	83099	INSPECTORS, TESTERS, RELATED, NEC	1,730	2,500	770	44.5	340	08	WORK EXPERIENCE
503	85000	MECHANICS, INSTALLERS, REPAIRERS	27,660	31,620	3,960	14.3	4,850		
504	85100	MACHINERY AND RELATED MECHANICS	9,040	9,820	780	8.6	1,470		
505	85110	MACHINERY MAINTENANCE MECHANICS	2,200	2,340	140	6.4	350	09	LONG-TERM ON-THE-JOB TRAINING
510	85118	MAINT MECHANICS--WATER, POWER	180	200	20	11.1	30	09	LONG-TERM ON-THE-JOB TRAINING
514	85128	MACHINERY MAINTENANCE WORKERS	360	390	30	8.3	60	09	LONG-TERM ON-THE-JOB TRAINING
515	85132	MAINT REPAIRERS, GENL UTILITY	6,300	6,890	590	9.4	1,030	09	LONG-TERM ON-THE-JOB TRAINING
516	85300	MOBILE EQUIP MECHANICS, REPAIRERS	7,320	8,510	1,190	16.3	1,390		
517	85302	AUTOMOTIVE MECHANICS	4,200	4,940	740	17.6	790	09	LONG-TERM ON-THE-JOB TRAINING
518	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	1,000	1,120	120	12.0	220	09	LONG-TERM ON-THE-JOB TRAINING
520	85311	BUS AND TRUCK MECHANICS	880	940	60	6.8	140	09	LONG-TERM ON-THE-JOB TRAINING
521	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	830	990	160	19.3	170	09	LONG-TERM ON-THE-JOB TRAINING
524	85323	AIRCRAFT MECHANICS	310	400	90	29.0	50	07	POST-SECONDARY VOCATIONAL EDUCATION
526	85328	SMALL ENGINE SPECIALISTS	100	120	20	20.0	20	09	LONG-TERM ON-THE-JOB TRAINING
528	85500	COMM EQUIPMENT MECHANICS	500	570	70	14.0	110		



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534	85599	COMM EQUIPMENT MECHANICS, NEC	500	570	70	14.0	110	07	POST-SECONDARY VOCATIONAL EDUCATION
535	85700	OTHER ELECTRICAL EQUIP MECHANICS	5,770	6,770	1,000	17.3	1,100		
536	85702	TELEPHONE, CABLE TV INSTALLERS	1,760	2,080	320	18.2	430	09	LONG-TERM ON-THE-JOB TRAINING
537	85705	DATA PROCESSING EQUIP REPAIRERS	1,540	1,830	290	18.8	170	07	POST-SECONDARY VOCATIONAL EDUCATION
538	85708	ELECT HOME ENTERTAINMENT REPAIRERS	100	100	0	0.0	20	07	POST-SECONDARY VOCATIONAL EDUCATION
539	85711	ELECT HOME APPL & POWER TOOL REPAI	190	200	10	5.3	40	09	LONG-TERM ON-THE-JOB TRAINING
541	85717	ELECT REPAIRERS--COMMERCIAL	840	980	140	16.7	180	07	POST-SECONDARY VOCATIONAL EDUCATION
543	85723	ELECT POWERLINE INSTALLERS	290	340	50	17.2	50	09	LONG-TERM ON-THE-JOB TRAINING
546	85799	ELECT EQUIP MECHANICS, NEC	1,050	1,240	190	18.1	210	09	LONG-TERM ON-THE-JOB TRAINING
547	85900	MISC MECH, INSTALLERS, REPAIRERS	5,030	5,950	920	18.3	780		
548	85902	HEATING, AC, REFRIG MECHANICS	1,150	1,390	240	20.9	160	09	LONG-TERM ON-THE-JOB TRAINING
549	85905	INSTRUMENT REPAIRERS, PRECISION	490	550	60	12.2	90	09	LONG-TERM ON-THE-JOB TRAINING
550	85908	ELECTROMED, BIOMEDL EQUIP REPAIRER	130	140	10	7.7	20	09	LONG-TERM ON-THE-JOB TRAINING
556	85926	OFF MACH, CASH REGISTER SERVICERS	260	310	50	19.2	40	09	LONG-TERM ON-THE-JOB TRAINING
560	85938	INSTALLER & REPAIRER, MOBILE HOME	120	130	10	8.3	20	09	LONG-TERM ON-THE-JOB TRAINING
564	85953	TIRE REPAIRERS AND CHANGERS	330	350	20	6.1	110	11	SHORT-TERM ON-THE-JOB TRAINING
566	85999	MECHS, INSTALLERS, REPAIRERS, NEC	2,550	3,080	530	20.8	340	09	LONG-TERM ON-THE-JOB TRAINING
567	87000	CONSTRUCTION TRADES	28,300	34,970	6,670	23.6	4,830		
568	87100	CARPENTERS AND RELATED WORKERS	9,850	12,320	2,470	25.1	1,770		
569	87102	CARPENTERS	6,630	8,430	1,800	27.1	1,410	09	LONG-TERM ON-THE-JOB TRAINING
570	87105	CEILING TILE INSTALLERS	230	280	50	21.7	50	10	MODERATE-TERM ON-THE-JOB TRAINING
571	87108	DRYWALL INSTALLERS	1,390	1,700	310	22.3	140	10	MODERATE-TERM ON-THE-JOB TRAINING
572	87111	TAPERS	1,220	1,480	260	21.3	130	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87114	LATHERS	380	430	50	13.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
575	87200	ELECTRICIANS AND RELATED WORKERS	5,020	6,110	1,090	21.7	790		
576	87202	ELECTRICIANS	5,020	6,110	1,090	21.7	790	09	LONG-TERM ON-THE-JOB TRAINING
577	87300	MASONS AND RELATED WORKERS	2,770	3,410	640	23.1	430		
579	87305	STONE MASONS	300	380	80	26.7	50	09	LONG-TERM ON-THE-JOB TRAINING
580	87308	HARD TILE SETTERS	480	550	70	14.6	90	09	LONG-TERM ON-THE-JOB TRAINING
581	87311	CONCRETE AND TERRAZZO FINISHERS	1,080	1,300	220	20.4	100	09	LONG-TERM ON-THE-JOB TRAINING
583	87317	PLASTERERS AND STUCCO MASONS	910	1,180	270	29.7	190	09	LONG-TERM ON-THE-JOB TRAINING
584	87400	PAINTERS AND RELATED WORKERS	2,410	2,940	530	22.0	480		
585	87402	PAINTERS, PAPERHANGERS--CONST	2,410	2,940	530	22.0	480	10	MODERATE-TERM ON-THE-JOB TRAINING
586	87500	PLUMBERS AND RELATED WORKERS	3,200	3,840	640	20.0	310		
587	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	3,080	3,700	620	20.1	290	09	LONG-TERM ON-THE-JOB TRAINING
589	87508	PIPELAYERS	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
591	87600	CARPET, FLOOR INSTALLERS	620	760	140	22.6	100		
592	87602	CARPET INSTALLERS	510	620	110	21.6	80	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87605	FLOOR LAYERS--EX CARPET, WOOD, TILES	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
595	87700	SELECTED ROAD, RAIL AND RELATED	470	540	70	14.9	80		
598	87708	PAVING, TAMPING-EQUIP OPERATORS	230	260	30	13.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
599	87711	HIGHWAY MAINTENANCE WORKERS	240	280	40	16.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
601	87800	CONSTRUCTION TRADES, NEC	3,030	3,760	730	24.1	680		
603	87803	HAZARDOUS MATERIALS REMOVAL WORKER	160	190	30	18.8	30	07	POST-SECONDARY VOCATIONAL EDUCATION
604	87805	SHEET METAL DUCT INSTALLERS	890	1,200	310	34.8	190	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87808	ROOFERS	1,100	1,320	220	20.0	290	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
606	87811	GLAZIERS	190	220	30	15.8	40	09	LONG-TERM ON-THE-JOB TRAINING
607	87814	STRUCTURAL METAL WORKERS	200	230	30	15.0	40	09	LONG-TERM ON-THE-JOB TRAINING
608	87817	FENCE ERECTORS	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
609	87899	CONSTRUCTION TRADES WORKERS, NEC	260	320	60	23.1	50	10	MODERATE-TERM ON-THE-JOB TRAINING
610	87900	EXTRACTIVE AND RELATED WORKERS	930	1,290	360	38.7	190		
624	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	930	1,290	360	38.7	190	10	MODERATE-TERM ON-THE-JOB TRAINING
625	89000	PRODUCTION OCCUPATIONS, PRECISION	11,900	13,920	2,020	17.0	1,930		
626	89100	METAL WORKERS, PRECISION	6,470	7,850	1,380	21.3	1,030		
627	89102	TOOL AND DIE MAKERS	540	590	50	9.3	70	09	LONG-TERM ON-THE-JOB TRAINING
629	89108	MACHINISTS	4,360	5,240	880	20.2	660	09	LONG-TERM ON-THE-JOB TRAINING
632	89117	LAYOUT WORKERS--METAL, PRECISION	170	200	30	17.6	30	09	LONG-TERM ON-THE-JOB TRAINING
637	89132	SHEET METAL WORKERS	1,240	1,620	380	30.6	240	10	MODERATE-TERM ON-THE-JOB TRAINING
639	89199	METAL WORKERS, NEC--PRECISION	160	200	40	25.0	30	09	LONG-TERM ON-THE-JOB TRAINING
640	89300	WOODWORKERS, PRECISION	540	660	120	22.2	70		
643	89308	WOOD MACHINISTS	120	140	20	16.7	10	09	LONG-TERM ON-THE-JOB TRAINING
644	89311	CABINETMAKERS AND BENCH CARPENTERS	290	350	60	20.7	30	09	LONG-TERM ON-THE-JOB TRAINING
646	89399	WOODWORKERS, NEC--PRECISION	130	170	40	30.8	30	09	LONG-TERM ON-THE-JOB TRAINING
647	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	550	580	30	5.5	70		
649	89505	CUSTOM TAILORS AND SEWERS	180	180	0	0.0	20	08	WORK EXPERIENCE
650	89508	UPHOLSTERERS	130	150	20	15.4	20	09	LONG-TERM ON-THE-JOB TRAINING
653	89517	PRESSERS--DELICATE FABRICS	240	250	10	4.2	30	09	LONG-TERM ON-THE-JOB TRAINING
670	89800	FOOD WORKERS, PRECISION	290	310	20	6.9	50		

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			1999 (2)	2,006					
672	89805	BAKERS--MANUFACTURING	160	200	40	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
673	89808	FOOD BATCHMAKERS	130	110	-20	-15.4	30	09	LONG-TERM ON-THE-JOB TRAINING
675	89900	OTHER PRECISION WORKERS	4,050	4,520	470	11.6	710		
677	89905	MOLDERS, SHAPERS--EX JEWELRY	200	210	10	5.0	40	09	LONG-TERM ON-THE-JOB TRAINING
681	89917	OPTICAL GOODS WORKERS, PRECISION	270	320	50	18.5	30	09	LONG-TERM ON-THE-JOB TRAINING
682	89921	DENTAL LAB TECHNICIANS, PRECISION	270	240	-30	-11.1	30	09	LONG-TERM ON-THE-JOB TRAINING
683	89923	MEDICAL APPLIANCE MAKERS	210	230	20	9.5	30	09	LONG-TERM ON-THE-JOB TRAINING
685	89999	WORKERS, PRECISION--NEC	3,100	3,520	420	13.5	580	09	LONG-TERM ON-THE-JOB TRAINING
686	91000	MACH SETTERS, SET-UP, OPS, TENDERS	31,270	35,750	4,480	14.3	4,540		
687	91100	MACH TOOL CUTTING--METAL, PLASTIC	3,860	3,710	-150	-3.9	660		
688	91102	SAW MACH TOOL SETTERS--METAL, PLAST	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
689	91105	LATHE MACH SETTERS--METAL, PLASTIC	780	830	50	6.4	130	10	MODERATE-TERM ON-THE-JOB TRAINING
690	91108	DRILLING MACH SETTER--METAL, PLASTI	170	180	10	5.9	30	10	MODERATE-TERM ON-THE-JOB TRAINING
691	91111	MILLING MACH SETTERS--METAL, PLASTI	190	250	60	31.6	30	10	MODERATE-TERM ON-THE-JOB TRAINING
692	91114	GRINDING MACH SETTER--METAL, PLASTI	420	490	70	16.7	90	10	MODERATE-TERM ON-THE-JOB TRAINING
693	91117	MACH TOOL CUTTING OPS--METAL, PLAST	2,190	1,820	-370	-16.9	360	10	MODERATE-TERM ON-THE-JOB TRAINING
694	91300	MACH FORMING SETTERS--METAL, PLASTI	1,330	1,670	340	25.6	240		
695	91302	PUNCH MACH SETTERS--METAL, PLASTIC	280	350	70	25.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91305	PRESS MACH SETTERS--METAL, PLASTIC	250	340	90	36.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
701	91321	MACH FORMING OPS, TENDERS--MET, PLAS	800	980	180	22.5	150	10	MODERATE-TERM ON-THE-JOB TRAINING
702	91500	MACH TOOL SETTERS, OPS--METAL, PLAS	1,230	1,690	460	37.4	230		
703	91502	NUMERICAL MACH TOOL OPS--MET, PLAS	770	1,100	330	42.9	150	10	MODERATE-TERM ON-THE-JOB TRAINING
704	91505	COMB MACH TOOL SETTERS--MET, PLAST	220	280	60	27.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
705	91508	COMB MACH TOOL OPS--METAL, PLASTIC	240	310	70	29.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91700	METAL FABRICATING MACH SETTERS, OPS	1,250	1,540	290	23.2	230		
707	91702	WELDING MACH SETTERS, SET-UP OPS	200	280	80	40.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91705	WELDING MACH OPERATORS AND TENDERS	590	700	110	18.6	110	10	MODERATE-TERM ON-THE-JOB TRAINING
709	91708	SOLDERING, BRAZING MACH SETTERS	110	130	20	18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
710	91711	SOLDERING, BRAZING MACH OPS, TENDERS	190	210	20	10.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
711	91714	METAL FABRICATOR, STRUCT MET PRODS	160	220	60	37.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
712	91900	METAL, PLAST PROCESS MACH SETTERS	1,220	1,340	120	9.8	210		
713	91902	PLAST MOLDING, CASTING MACH SETTER	110	90	-20	-18.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91905	PLASTIC MOLDING, CASTING MACH OPS	190	160	-30	-15.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
718	91917	ELECTROLYTIC PLATING, MACH SETTER	160	210	50	31.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
719	91921	ELECTROLYTIC PLATING, MACH OPS	530	640	110	20.8	100	10	MODERATE-TERM ON-THE-JOB TRAINING
723	91932	HEAT TREATING MACH OPS, TENDERS	120	130	10	8.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
724	91935	FURNACE OPERATORS AND TENDERS	110	110	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
727	92100	METAL, PLAST MACH SETTERS, OPS NEC	610	740	130	21.3	120		
728	92197	CUT, FORM, FAB, PROC MACH SETTER	220	260	40	18.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92198	CUT, FORM, FAB, PROCESS MACH OPS	390	480	90	23.1	80	10	MODERATE-TERM ON-THE-JOB TRAINING
736	92500	PRINTING, BINDING, RELATED WORKERS	1,810	1,760	-50	-2.8	250		
738	92512	OFFSET LITHOGRAPHIC PRESS SETTERS	170	140	-30	-17.6	20	10	MODERATE-TERM ON-THE-JOB TRAINING
742	92524	SCREEN PRINT MACH SETTERS, SET-UP	290	300	10	3.4	50	10	MODERATE-TERM ON-THE-JOB TRAINING
743	92525	BINDERY MACH SETTERS, SET-UP OPS	190	180	-10	-5.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
746	92543	PRINTING PRESS MACHINE OPS, TENDER	760	740	-20	-2.6	110	10	MODERATE-TERM ON-THE-JOB TRAINING
748	92546	BINDERY MACHINE OPERATORS	280	300	20	7.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
749	92549	PRINT, BINDING, REL MACH OPS, TNDR	120	100	-20	-16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
750	92700	TEXTILE, RELATED SETTERS, OPS	1,490	1,640	150	10.1	220		
756	92717	SEWING MACHINE OPERATORS--GARMENT	210	230	20	9.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
757	92721	SEWING MACHINE OPS--NON-GARMENT	160	180	20	12.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	770	860	90	11.7	140	10	MODERATE-TERM ON-THE-JOB TRAINING
760	92728	PRESSING MACH OPS--TEXTILE, GARMEN	350	370	20	5.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92900	MACH SETTER,SET-UP,OP--EX MET,PLAS	18,470	21,660	3,190	17.3	2,380		
762	92902	ELECTRONIC SEMICONDUCTOR PROCESSOR	6,990	8,260	1,270	18.2	780	10	MODERATE-TERM ON-THE-JOB TRAINING
764	92908	PHOTOGRAPHIC PROC MACH OPS,TNDRS	350	320	-30	-8.6	90	11	SHORT-TERM ON-THE-JOB TRAINING
766	92914	PAPER GOODS MACH SETTERS,SET-UP OP	200	240	40	20.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
776	92944	CUTTING, SLICING MACH OPS, TNDRS	120	110	-10	-8.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92947	PAINTERS, TRANSPORTATION EQUIP	210	230	20	9.5	30	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92951	PAINT, COAT & SPRAY MACH SETTERS	1,070	1,230	160	15.0	170	10	MODERATE-TERM ON-THE-JOB TRAINING
779	92953	PAINTING, REL MACH OPS, TENDERS	400	550	150	37.5	70	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92958	CLEANING, PICKLING EQUIP OPS,TNDRS	130	150	20	15.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
783	92965	CRUSHING, MIXING MACH OPS, TNDRS	670	680	10	1.5	110	10	MODERATE-TERM ON-THE-JOB TRAINING
784	92968	EXTRUDING, FORMING, SETTERS, SET-U	150	180	30	20.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
786	92974	PACKAGING, FILLING MACH OPS, TNDRS	1,390	1,620	230	16.5	280	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92997	MACHINE SETTERS & SET-UP OPS, NEC	880	1,080	200	22.7	100	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92998	MACHINE OPERATORS AND TENDERS, NEC	5,910	7,010	1,100	18.6	650	10	MODERATE-TERM ON-THE-JOB TRAINING
789	93000	ASSEMBLERS AND FABRICATORS--HAND	47,400	52,660	5,260	11.1	7,580		
790	93100	ASSEMBLERS, PRECISION	20,460	21,270	810	4.0	3,210		
792	93105	MACH BLDR, OTH PREC MACH ASSEMBLER	700	770	70	10.0	130	08	WORK EXPERIENCE
794	93111	ELECTROMECH EQUIP ASSEMBLERS--PREC	2,160	2,740	580	26.9	370	08	WORK EXPERIENCE
795	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	15,610	15,530	-80	-0.5	2,350	08	WORK EXPERIENCE

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			1999 (2)	2,006					
797	93197	ASSEMBLERS, NEC--PRECISION	1,990	2,230	240	12.1	360	08	WORK EXPERIENCE
798	93900	OTHER HAND WORKERS	26,940	31,390	4,450	16.5	4,370		
799	93902	MACHINE ASSEMBLERS	610	720	110	18.0	80	11	SHORT-TERM ON-THE-JOB TRAINING
800	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	6,050	6,650	600	9.9	790	11	SHORT-TERM ON-THE-JOB TRAINING
801	93908	COIL WINDERS, TAPERS, FINISHERS	100	100	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
803	93914	WELDERS AND CUTTERS	1,080	1,290	210	19.4	210	07	POST-SECONDARY VOCATIONAL EDUCATION
804	93917	SOLDERERS AND BRAZERS	880	1,000	120	13.6	150	11	SHORT-TERM ON-THE-JOB TRAINING
805	93921	PRESSERS--HAND	190	210	20	10.5	40	11	SHORT-TERM ON-THE-JOB TRAINING
810	93935	CANNERY WORKERS	500	50	-450	-90.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
811	93938	MEAT, POULTRY, FISH CUTTERS--HAND	110	140	30	27.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
814	93947	PAINTING, COATING, DECORATING--HAN	290	340	50	17.2	50	11	SHORT-TERM ON-THE-JOB TRAINING
816	93953	GRINDING, POLISHING WORKERS--HAND	830	1,030	200	24.1	170	11	SHORT-TERM ON-THE-JOB TRAINING
817	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	8,880	9,470	590	6.6	1,130	11	SHORT-TERM ON-THE-JOB TRAINING
818	93999	HAND WORKERS, NEC	7,420	10,390	2,970	40.0	1,670	11	SHORT-TERM ON-THE-JOB TRAINING
819	95000	PLANT AND SYSTEM OCCUPATIONS	1,160	1,330	170	14.7	260		
820	95002	WATER TREATMENT PLANT OPERATORS	280	330	50	17.9	50	09	LONG-TERM ON-THE-JOB TRAINING
830	95032	STATIONARY ENGINEERS	110	110	0	0.0	20	09	LONG-TERM ON-THE-JOB TRAINING
831	95099	PLANT AND SYSTEM OPERATORS, NEC	770	890	120	15.6	190	09	LONG-TERM ON-THE-JOB TRAINING
832	97000	TRANS, MATERIAL MOVING MACHINE OPS	23,560	27,800	4,240	18.0	2,910		
833	97100	MOTOR VEHICLE OPERATORS	18,340	21,630	3,290	17.9	2,150		
834	97102	TRUCK DRIVERS, HEAVY	3,930	4,380	450	11.5	410	11	SHORT-TERM ON-THE-JOB TRAINING
835	97105	TRUCK DRIVERS, LIGHT	8,290	10,260	1,970	23.8	920	11	SHORT-TERM ON-THE-JOB TRAINING
836	97108	BUS DRIVERS	2,250	2,590	340	15.1	300	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2,006					
837	97111	BUS DRIVERS--SCHOOL	1,060	1,220	160	15.1	140	11	SHORT-TERM ON-THE-JOB TRAINING
838	97114	TAXI DRIVERS AND CHAUFFEURS	1,250	1,510	260	20.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
839	97117	DRIVER/SALES WORKERS	1,450	1,560	110	7.6	210	11	SHORT-TERM ON-THE-JOB TRAINING
840	97199	MOTOR VEHICLE OPERATORS, NEC	110	110	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
857	97700	AIR TRANSPORTATION WORKERS	260	340	80	30.8	50		
858	97702	AIRCRAFT PILOTS, FLIGHT ENGINEERS	260	340	80	30.8	50	09	LONG-TERM ON-THE-JOB TRAINING
859	97800	MISC TRANSPORTATION WORKERS	1,350	1,570	220	16.3	270		
861	97805	SERVICE STATION ATTENDANTS	430	430	0	0.0	140	11	SHORT-TERM ON-THE-JOB TRAINING
862	97808	PARKING LOT ATTENDANTS	510	630	120	23.5	70	11	SHORT-TERM ON-THE-JOB TRAINING
863	97899	TRANS AND RELATED WORKERS, NEC	410	510	100	24.4	60	10	MODERATE-TERM ON-THE-JOB TRAINING
864	97900	MATERIAL MOVEMENT EQUIP OPERATORS	3,610	4,260	650	18.0	440		
872	97923	EXCAVATING, LOADING MACHINE OPS	170	220	50	29.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
877	97938	GRADER, DOZER, SCRAPER OPERATORS	190	230	40	21.1	10	10	MODERATE-TERM ON-THE-JOB TRAINING
880	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	1,480	1,750	270	18.2	130	11	SHORT-TERM ON-THE-JOB TRAINING
883	97956	OPERATING ENGINEERS	920	1,080	160	17.4	120	10	MODERATE-TERM ON-THE-JOB TRAINING
884	97989	MATERIAL MOVING EQUIP OPS, NEC	850	980	130	15.3	150	10	MODERATE-TERM ON-THE-JOB TRAINING
886	98000	HELPERS, LABORERS, HAND--EX AG	29,820	36,860	7,040	23.6	8,050		
887	98100	MECHANIC AND REPAIRER HELPERS	2,200	2,830	630	28.6	810		
888	98102	MECHANIC AND REPAIRER HELPERS, NEC	2,200	2,830	630	28.6	810	11	SHORT-TERM ON-THE-JOB TRAINING
889	98300	CONST TRADES, EXTRACTIVE--HELPERS	4,330	5,200	870	20.1	1,560		
890	98311	HELPERS--BRICK,STONE MASONS	480	590	110	22.9	180	11	SHORT-TERM ON-THE-JOB TRAINING
891	98312	HELPERS--CARPENTERS AND RELATED	860	1,080	220	25.6	320	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
SANTA CLARA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2,006					
892	98313	HELPERS--ELECT, POWERLINE INSTALL	790	840	50	6.3	270	11	SHORT-TERM ON-THE-JOB TRAINING
893	98314	HELPERS--PAINTERS AND RELATED	380	470	90	23.7	140	11	SHORT-TERM ON-THE-JOB TRAINING
894	98315	HELPERS--PLUMBERS AND RELATED	380	440	60	15.8	130	11	SHORT-TERM ON-THE-JOB TRAINING
895	98316	HELPERS--ROOFERS	220	280	60	27.3	80	11	SHORT-TERM ON-THE-JOB TRAINING
896	98319	HELPERS--CONSTRUCTION TRADES, NEC	1,220	1,500	280	23.0	440	11	SHORT-TERM ON-THE-JOB TRAINING
899	98500	MACHINE FEEDERS AND OFFBEARERS	580	640	60	10.3	130		
900	98502	MACHINE FEEDERS AND OFFBEARERS, NEC	580	640	60	10.3	130	11	SHORT-TERM ON-THE-JOB TRAINING
901	98700	FREIGHT, STOCK, MAT MOVERS, HAND	5,190	6,380	1,190	22.9	1,570		
903	98705	REFUSE COLLECTORS	710	730	20	2.8	200	11	SHORT-TERM ON-THE-JOB TRAINING
904	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	4,480	5,650	1,170	26.1	1,370	11	SHORT-TERM ON-THE-JOB TRAINING
905	98900	MISC HELPERS, LABORERS--HAND	17,520	21,810	4,290	24.5	3,980		
906	98902	HAND PACKERS AND PACKAGERS	4,810	6,370	1,560	32.4	970	11	SHORT-TERM ON-THE-JOB TRAINING
907	98905	VEHICLE WASHERS, EQUIP CLEANERS	1,740	1,940	200	11.5	410	11	SHORT-TERM ON-THE-JOB TRAINING
908	98999	MISC HELPERS, LABORERS--HAND, NEC	10,970	13,500	2,530	23.1	2,600	11	SHORT-TERM ON-THE-JOB TRAINING
909		OCCUPATIONS NOT CLASSIFIED	50	60	10	20.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
22127	COMPUTER ENGINEERS	14,040	05	BACHELOR'S DEGREE
49011	SALESPERSONS, RETAIL	12,500	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	9,390	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	9,010	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
25104	COMPUTER SUPPORT SPECIALISTS	8,260	05	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCEESING	7,970	05	BACHELOR'S DEGREE
55347	GENERAL OFFICE CLERKS	7,890	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	6,810	11	SHORT-TERM ON-THE-JOB TRAINING
22126	ELECT AND ELECTRONIC ENGINEERS	6,500	05	BACHELOR'S DEGREE
25105	COMPUTER PROGRAMMERS	6,440	05	BACHELOR'S DEGREE
67005	JANITORS, CLEANERS--EXCEPT MAID	6,130	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	4,760	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGR	4,720	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55305	RECEPTIONISTS, INFORMATION CLERKS	3,810	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	3,710	07	POST-SECONDARY VOCATIONAL EDUCATION
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	3,670	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	3,300	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	3,270	05	BACHELOR'S DEGREE
87102	CARPENTERS	3,210	09	LONG-TERM ON-THE-JOB TRAINING
22505	ELECT, ELECTRONIC ENGINEERING TECHS	2,930	06	ASSOCIATE DEGREE
97105	TRUCK DRIVERS, LIGHT	2,890	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	2,730	05	BACHELOR'S DEGREE
49005	SALES REPS, SCIENTIFIC--EX RETAIL	2,570	10	MODERATE-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	2,530	11	SHORT-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	2,470	10	MODERATE-TERM ON-THE-JOB TRAINING



Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
32502	REGISTERED NURSES	2,430	06	ASSOCIATE DEGREE
63047	GUARDS AND WATCH GUARDS	2,430	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	2,400	10	MODERATE-TERM ON-THE-JOB TRAINING
13011	MKTING, ADV, PUB-REL MANAGERS	2,320	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
93114	ELECTRICAL EQUIP ASSEMBLERS-PRECISION*	2,270	08	WORK EXPERIENCE
31305	TEACHERS-ELEMENTARY SCHOOL	2,260	05	BACHELOR'S DEGREE
65026	COOKS--RESTAURANT	2,100	09	LONG-TERM ON-THE-JOB TRAINING
92902	ELECTRONIC SEMICONDUCTOR PROCESSORS	2,050	10	MODERATE-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	1,880	09	LONG-TERM ON-THE-JOB TRAINING
93956	ASSEMB, FABRICATORS--EX MACH,ELECT	1,720	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	1,670	11	SHORT-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	1,620	09	LONG-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	1,610	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	1,560	11	SHORT-TERM ON-THE-JOB TRAINING
31303	TEACHERS, PRESCHOOL	1,540	05	BACHELOR'S DEGREE
89108	MACHINISTS	1,540	09	LONG-TERM ON-THE-JOB TRAINING
25103	DATA BASE ADMINISTRATORS	1,530	05	BACHELOR'S DEGREE
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,530	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	1,530	09	LONG-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	1,520	11	SHORT-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	1,500	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
31521	TEACHER AIDES, PARAPROFESSIONAL	1,470	06	ASSOCIATE DEGREE
93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	1,390	11	SHORT-TERM ON-THE-JOB TRAINING
13014	ADMINISTRATIVE SERVICES MANAGER	1,370	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
81008	FIRST-LINE SUP/MGR-PRODUCTION	1,340	08	WORK EXPERIENCE
TOTAL OF THESE OCCUPATIONS		186,090		

(1) Excludes not elsewhere classified (NEC) categories.

* This occupation appears because of the high number of separations, not growth.

Table 8
Occupations With Projected Declines (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
93935	CANNERY WORKERS	500	50	-450	50	11	SHORT-TERM ON-THE-JOB TRAINING
91117	MACH TOOL CUTTING OPS--METAL,PLASTIC	2,190	1,820	-370	360	10	MODERATE-TERM ON-THE-JOB TRAINING
56011	COMPUTER OPS--EX PERIPHERAL EQUIPMENT	2,500	2,130	-370	230	10	MODERATE-TERM ON-THE-JOB TRAINING
83005	PROD INSPECTORS, TESTERS, & GRADER	7,040	6,710	-330	1,090	08	WORK EXPERIENCE
55307	TYPISTS, INCLUDING WORD PROCESSING	2,260	2,050	-210	300	10	MODERATE-TERM ON-THE-JOB TRAINING
22128	INDUST ENGINEERS--EXCEPT SAFETY	3,730	3,560	-170	350	05	BACHELOR'S DEGREE
22102	AERONAUT, ASTRONAUTICAL ENGINEERS	1,490	1,390	-100	160	05	BACHELOR'S DEGREE
56014	PERIPHERAL EDP EQUIPMENT OPERATORS	280	190	-90	20	10	MODERATE-TERM ON-THE-JOB TRAINING
93114	ELECTRICAL EQUIP ASSEMBLERS--PRECISION	15,610	15,530	-80	2,350	08	WORK EXPERIENCE
57108	CENTRAL OFFICE OPERATORS	340	290	-50	50	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	850	810	-40	140	09	LONG-TERM ON-THE-JOB TRAINING
57102	SWITCHBOARD OPERATORS	1,190	1,160	-30	180	11	SHORT-TERM ON-THE-JOB TRAINING
92908	PHOTOGRAPHIC PROC MACH OPS,TNDR	350	320	-30	90	11	SHORT-TERM ON-THE-JOB TRAINING
34011	REPORTERS AND CORRESPONDENTS	280	250	-30	60	05	BACHELOR'S DEGREE
89921	DENTAL LAB TECHNICIANS, PRECISION	270	240	-30	30	09	LONG-TERM ON-THE-JOB TRAINING
91905	PLASTIC MOLDING, CASTING MACHINE OPS	190	160	-30	30	10	MODERATE-TERM ON-THE-JOB TRAINING
57105	DIRECTORY ASSISTANCE OPERATORS	120	90	-30	20	10	MODERATE-TERM ON-THE-JOB TRAINING
92512	OFFSET LITHOGRAPHIC PRESS SETTERS	170	140	-30	20	10	MODERATE-TERM ON-THE-JOB TRAINING
92917	COOKING MACH OPS,TNDRS-FOOD,TOBACCO	80	50	-30	10	10	MODERATE-TERM ON-THE-JOB TRAINING
83002	INSPECTORS,TESTERS,& GRADERS,PRECISION	2,610	2,590	-20	370	08	WORK EXPERIENCE
92543	PRINTING PRESS MACHINE OPS, TENDER	760	740	-20	110	10	MODERATE-TERM ON-THE-JOB TRAINING
56002	BILLING, POSTING, CALC MACHINE	440	420	-20	60	11	SHORT-TERM ON-THE-JOB TRAINING
55326	PROCUREMENT CLERKS	420	400	-20	40	11	SHORT-TERM ON-THE-JOB TRAINING
89808	FOOD BATCHMAKERS	130	110	-20	30	09	LONG-TERM ON-THE-JOB TRAINING
85726	STATION INSTALLERS--TELEPHONE	90	70	-20	20	07	POST-SECONDARY VOCATIONAL EDUCATION

Table 8
Occupations With Projected Declines (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
91902	PLAST MOLDING, CASTING MACH SETTERS	110	90	-20	20	10	MODERATE-TERM ON-THE-JOB TRAINING
53111	LOAN INTERVIEWERS	130	110	-20	10	11	SHORT-TERM ON-THE-JOB TRAINING
89717	STRIPPERS	70	50	-20	10	09	LONG-TERM ON-THE-JOB TRAINING
53102	TELLERS	3,520	3,510	-10	1,080	11	SHORT-TERM ON-THE-JOB TRAINING
22114	CHEMICAL ENGINEERS	1,010	1,000	-10	160	05	BACHELOR'S DEGREE
21102	UNDERWRITERS	230	220	-10	40	05	BACHELOR'S DEGREE
53502	WELFARE ELIG WORKERS, INTERVIEWERS	230	220	-10	30	10	MODERATE-TERM ON-THE-JOB TRAINING
79002	FOREST, CONSERVATION WORKERS	180	170	-10	30	11	SHORT-TERM ON-THE-JOB TRAINING
92525	BINDERY MACH SETTERS, SET-UP OPERATORS	190	180	-10	20	10	MODERATE-TERM ON-THE-JOB TRAINING
92944	CUTTING, SLICING MACH OPS, TENDER	120	110	-10	20	10	MODERATE-TERM ON-THE-JOB TRAINING
28105	ADJUDICATORS, JUDICIAL REVIEWER	130	120	-10	10	04	WORK EXP., PLUS A BACHELOR'S OR HIGHER
28311	TITLE EXAMINERS AND ABSTRACTORS	100	90	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
32926	ELECTROCARDIOGRAPH TECHNICIANS	60	50	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
89705	JOB PRINTERS	90	80	-10	10	09	LONG-TERM ON-THE-JOB TRAINING
89718	PLATEMAKERS	70	60	-10	10	09	LONG-TERM ON-THE-JOB TRAINING
92522	SPEC MATERL PRINTING MACH SETTERS	90	80	-10	10	10	MODERATE-TERM ON-THE-JOB TRAINING
92905	MOTION PICTURE PROJECTIONISTS	80	70	-10	10	11	SHORT-TERM ON-THE-JOB TRAINING
93926	CUTTERS AND TRIMMERS--HAND	90	80	-10	10	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		50,390	47,560	-2,830	7,670		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	854	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDIT, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	309	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	333	53908
AERONAUT, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURE, FORESTRY, FISHING--NEC	489	79999
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL, FORESTRY, FISHING	466	70000
AIR DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AIR HAMMER OPERATORS	596	87702
AIR TRANSPORTATION WORKERS	857	97700
AIRCRAFT ASSEMBLERS--PRECISION	791	93102
AIRCRAFT ENGINE SPECIALISTS	525	85328
AIRCRAFT MECHANICS	524	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	858	97702
AMBULANCE DRIVERS & ATTENDANTS, EX EMER MED TECHS	440	66023
AMUSEMENT, RECREATION ATTENDANTS	454	68014
ANIMAL BREEDERS	479	79015
ANIMAL CARETAKERS--EXCEPT FARM	481	79017
ANIMAL TRAINERS	480	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHRO & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	279	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA,ETHNIC,&CULT STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSEONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMB, FABRICATORS--EX MACH, ELECT, PRECISION	817	93956
ASSEMBLERS AND FABRICATORS--HAND WORKING	789	93000
ASSEMBLERS, NEC--PRECISION	797	93197
ASSEMBLERS, PRECISION	790	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRERS, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	518	85305
AUTOMOTIVE MECHANICS	517	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	827	95023
BAGGAGE PORTERS AND BELLHOPS	457	68023
BAILIFFS	406	63023
BAKERS--BREAD AND PASTRY	423	65021

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	672	89805
BANKING, SECURITY, FINANCE, CREDIT	301	53100
BARBERS	450	68002
BARTENDERS	418	65005
BICYCLE REPAIRERS	563	85951
BILL AND ACCOUNT COLLECTORS	321	53508
BILLING, COST, AND RATE CLERKS	355	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	358	56002
BINDERY MACH SETTERS, SET-UP OPERATORS	743	92525
BINDERY MACHINE OPERATORS	748	92546
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL &, FOOD TECHS EX HEALTH	96	24502
BLASTERS AND EXPLOSIVES WORKERS	612	87905
BOILER OPS, TENDERS--LOW PRESSURE	770	92926
BOILERMAKERS	638	89135
BOOKBINDERS	668	89721
BOOKKEEPING, ACCOUNTING CLERKS	353	55338
BRATTICE BUILDERS	574	87121
BRICK MASONS	578	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	860	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	311	53128
BROKERS--REAL ESTATE	277	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	520	85311
BUS DRIVERS	836	97108
BUS DRIVERS--SCHOOL	837	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	424	65023
CABINETMAKERS AND BENCH CARPENTERS	644	89311
CAMERA OPERATORS	663	89713
CAMERA OPS--TV AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	552	85914
CANNERY WORKERS	810	93935
CAPTAINS--WATER VESSEL	850	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	569	87102
CARPENTERS AND RELATED WORKERS	568	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	809	93932
CARPET INSTALLERS	592	87602
CARPET, FLOOR INSTALLERS	591	87600
CASHIERS	293	49023
CEILING TILE INSTALLERS	570	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	780	92956
CENTRAL OFFICE AND PBX INSTALLERS	529	85502
CENTRAL OFFICE OPERATORS	370	57108
CHEMICAL TECHNICIANS & TECHNOLOGISTS--EX HEALTH	97	24505
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	773	92935

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL EQUIPMENT TENDERS	774	92938
CHEMICAL PLANT, SYSTEM OPERATORS	822	95008
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	462	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	471	73005
CIVIL ENGINEERING TECHNICIANS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES	443	67000
CLEANING, BUILDING SERVICE--EX PRIVATE HOUSES, NEC	448	67099
CLEANING, PICKLING EQUIPMENT OPERATORS, TENDERS	781	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	391	59999
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	390	59000
CLERICAL, ADMINISTRATIVE SUPPORT	298	50000
COIL WINDERS, TAPERS, FINISHERS	801	93908
COIN, VENDING MACHINE SERVICERS	562	85947
COMB MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91508
COMB MACHINE TOOL SETTERS--METAL, PLASTIC	704	91505
COMBINED FOOD PREPARATION AND SERVICE	430	65041
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIRERS	528	85500
COMM EQUIPMENT MECHANICS, INSTALLERS, & REPAIR, NEC	534	85599
COMM, TRANSPORTATION, UTILITIES OPERATIONS MGRS	16	15023
COMMUNICATION EQUIPMENT OPERATORS, NEC	372	57199
COMMUNICATION EQUIPMENT OPERATORS	367	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	366	57000
COMPLIANCE OFFICERS, ENFORCE INSPECT--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATORS--EX PERIPHERAL EQUIPMENT	361	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPS RESEARCH, & RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	581	87311
CONSTRUCTION AND BUILDING INSPECTORS	45	21908
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	889	98300
CONSTRUCTION, EXTRACTIVE--EX HELPERS, NEC	624	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	567	87000
CONSTRUCTION TRADES WORKERS, NEC	609	87899
CONSTRUCTION TRADES, NEC	601	87800
CONTINUOUS MINING MACHINE OPERATOR	620	87941
CONVEYOR OPERATORS AND TENDERS	881	97951

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPS, TENDERS-FOOD, TOBACCO	767	92917
COOKS--INSTITUTION OR CAFETERIA	426	65028
COOKS--RESTAURANT	425	65026
COOKS--SHORT ORDER	428	65035
COOKS--SPECIALTY FAST FOOD	427	65032
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	771	92928
CORRECTION OFFICERS, JAILERS	404	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	346	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	291	49017
COUNTER ATTENDANTS--FOOD	422	65017
COURT CLERKS	323	53702
CRANE AND TOWER OPERATORS	879	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	306	53114
CREDIT CHECKERS	307	53117
CRIMINAL INVESTIGATORS, FEDERAL	408	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS,	176	31246
CROSSING GUARDS	413	63044
CRUSHING, MIXING MACHINE OPERATORS, TENDERS	783	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	649	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	352	55335
CUTTING, FORMING, FABRICATING, PROCESS MACH SETTER	728	92197
CUTTING, FORMING, FABRICATING, PROCESS MACH OPS	729	92198
CUTTING & SLICING MACHINE SETTERS & SET-UP OPS	775	92941
CUTTERS AND TRIMMERS--HAND	807	93926
CUTTING & SLICING MACHINE OPERATORS & TENDERS	776	92944
DAIRY PROCESSING EQUIPMENT OPERATORS--INC SETTERS	772	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	363	56017
DATA KEYERS--COMPOSING	364	56021
DATA PROCESSING EQUIPMENT REPAIRERS	537	85705
DEMONSTRATORS AND PROMOTERS	295	49034
DENTAL ASSISTANTS	433	66002
DENTAL HYGIENISTS	233	32908
DENTAL LABORATORY TECHNICIANS, PRECISION	682	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	615	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS	679	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	410	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	421	65014
DIRECTORS--RELIGIOUS ACTIVITIES, EDUC	132	27505
DIRECTORY ASSISTANCE OPERATORS	369	57105
DISPATCH--EX POLICE, FIRE, AMBULANCE	380	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCH--POLICE, FIRE, AMBULANCE	379	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	873	97926
DREDGE OPERATORS, DIPPER TENDERS	874	97928
DRILLING MACHINE SETTER--METAL, PLASTIC	690	91108
DRIVER/SALES WORKERS	839	97117
DRYWALL INSTALLERS	571	87108
DUPLICATING MACHINE OPERATORS	359	56005
DYERS, PRECISION	654	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	611	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCL MARKET RESEARCH ANALYST	120	27102
EDP AND OFFICE MACHINE OCCUPATIONS	357	56000
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	545	85728
ELECTRICAL AND ELECTRONIC ENGINEERS	61	22126
ELECTRICAL EQUIPMENT MECHANICS, NEC	546	85799
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	539	85711
ELECTRONIC HOME ENTERTAINMENT EQUIP REPAIRERS	538	85708
ELECTRIC METER INSTALLERS, REPAIRERS	551	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	540	85714
ELECTRICAL POWERLINE INSTALLERS	543	85723
ELECTRONICS REPAIRERS--COMMERCIAL & INDUSTRIAL	541	85717
ELECTRICAL & ELECTRONIC ENGINEERING TECHS & TECHNOS	75	22505
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	795	93114
ELECTRICAL, ELECTRONIC ASSEMBLERS	800	93905
ELECTRICIANS	576	87202
ELECTRICIANS AND RELATED WORKERS	575	87200
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	719	91921
ELECTROLYTIC PLATING, MACHINE SETTER	718	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	794	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	550	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC PAGINATION SYSTEM WORKERS	660	89707
ELECTRONIC SEMICONDUCTOR PROCESSOR	762	92902
ELEVATOR INSTALLERS AND REPAIRERS	558	85932
ELEVATOR OPERATORS	447	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEER, MATH, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, RELATED TECHNICIANS	73	22500
ENGINEERING, RELATED TECHS & TECHNOS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANG & LIT TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	815	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	636	89128
EXCAVATING, LOADING MACHINE OPERATORS	872	97923
EXTRACTIVE AND RELATED WORKERS	610	87900
EXTRACTIVE WORKERS--EX HELPERS, NEC	623	87989
EXTRUDING MACHINE OPS, TENDERS--SYNTHETIC/GLASS	753	92708
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	698	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	785	92971
EXTRUDING, FORMING, SETTERS & SET-UP OPERATORS	784	92968
FALLERS AND BUCKERS	470	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	523	85321
FARM EQUIPMENT OPERATORS	482	79021
FARMWORKERS-FARM/RANCH ANIMALS	488	79858
FARMWORKERS-FOOD, FIBER CROPS	487	79856
FENCE ERECTORS	608	87817
FILE CLERKS	347	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	401	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	394	61002
FIRE INSPECTORS	399	63002
FIRST-LINE SUP/MGR SERVICE WORKERS, NEC	397	61099
FIRST-LINE SUP/MGR, CLERICAL, ADMINISTRATIVE SUPPORT	299	51000
FIRST-LINE SUP/MGR--AGRICULTURAL, FORESTRY, FISHING	467	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	491	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	497	81099
FIRST-LINE SUP/MGR-CONSTRUCTION	493	81005
FIRST-LINE SUP/MGR-HELP, LABORERS	496	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	492	81002
FIRST-LINE SUP/MGR-PRODUCTION	494	81008
FIRST-LINE SUP/MGR--SALES	274	41000
FIRST-LINE SUP/MGR--SERVICE	393	61000
FIRST-LINE SUP/MGR-TRANSPORTATION	495	81011
FIRST-LINE SUPERVISORS - AGRICULTURE	468	72002
FISH AND GAME WARDENS	412	63041
FITTERS, STRUCTURAL METAL--PRECISION	793	93108
FLIGHT ATTENDANTS	458	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	593	87605
FLOOR SANDING MACHINE OPERATORS	594	87608
FOOD AND TOBACCO WORKERS, NEC	674	89899
FOOD BATCHMAKERS	673	89808
FOOD PREPARATION WORKERS	429	65038
FOOD SERVERS--OUTSIDE	420	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026
FOOD SERVICE WORKERS, NEC	431	65099
FOOD WORKERS, PRECISION	670	89800

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD, BEVERAGE PREPARATION AND SERVICE OCCS	416	65000
FOREIGN LANG & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENT SPECIALISTS	400	63005
FOREST, CONSERVATION WORKERS	476	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	700	91317
FOUNDRY MOLD ASSEMBLY, SHAKEOUT	717	91914
FOUNDRY MOLD,CORE MAKERS,PRECISION	676	89902
FRAME WIRERS, CENTRAL OFFICE	530	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	904	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	901	98700
FUNERAL ATTENDANTS	463	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	724	91935
FURNACE, KILN, KETTLE OPERATORS, TENDERS	769	92923
FURNITURE FINISHERS	645	89314
GAS APPLIANCE REPAIRERS	561	85944
GAS COMPRESSOR OPERATORS	871	97921
GAS PLANT OPERATORS	821	95005
GAS PUMPING STATION OPERATORS	870	97917
GAUGERS	825	95017
GEM AND DIAMOND WORKERS	684	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	356	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGIST, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	606	87811
GLAZIERS, MANUFACTURING	802	93911
GRADER, DOZER, SCRAPER OPERATORS	877	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	478	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL,PLASTIC	692	91114
GRINDING, POLISHING WORKERS--HAND	816	93953
GUARDS AND WATCH GUARDS	414	63047
GUIDES	455	68017
HAIRDRESSERS, HAIRSTYLISTS	451	68005
HAND COMPOSITORS AND TYPESETTERS	657	89702
HAND PACKERS AND PACKAGERS	906	98902
HAND WORKERS, NEC	818	93999
HAND WORKERS--JEWELRY, PRECISION	635	89126
HARD TILE SETTERS	580	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	603	87803
HEAD SAWYERS	732	92305
HEALTH ASSESSMENT & TREATMENT TEACHERS, POSTSEC	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFS, NEC	244	32999
HEALTH DIAGNOSING, TREATING	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH SERVICE WORKERS, NEC	442	66099
HEALTH SERVICE, RELATED OCCS	432	66000
HEAT TREATING MACHINE OPS, TENDERS	723	91932
HEATERS, METAL & PLASTIC	725	91938
HEATING EQUIP SETTERS-METAL, PLASTIC	722	91928
HEATING, AC, REFRIGERATION MECHANICS	548	85902
HELPERS, LABORERS, HAND--EX AGRICULTURE & FORESTRY	886	98000
HELPERS--BRICK,STONE MASONS	890	98311
HELPERS--CARPENTERS AND RELATED	891	98312
HELPERS--CONSTRUCTION TRADES, NEC	896	98319
HELPERS--CONST TRADES & EXTRACT WORKERS	898	98399
HELPERS--ELECTRICIANS, POWERLINE INSTALLERS	892	98313
HELPERS--EXTRACTIVE WORKERS	897	98323
HELPERS--PAINTERS AND RELATED	893	98314
HELPERS--PLUMBERS AND RELATED	894	98315
HELPERS--ROOFERS	895	98316
HIGHWAY MAINTENANCE WORKERS	599	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	878	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH CARE WORKERS	436	66011
HOSTS, HOSTESSES--RESTAURANTS	417	65002
HOTEL DESK CLERKS	329	53808
HOUSEKEEPING SUPERVISORS	396	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS & TECHNOS	76	22508
INDUST ENGINEERS--EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	880	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	300	53000
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	313	53302
INSPECTORS, RELATED OCCUPATIONS	498	83000
INSPECTORS, TESTERS, RELATED, NEC	502	83099
INSPECTORS,TESTERS,& GRADERS,PRECISION	499	83002
INSTALLER & REPAIRER, MOBILE HOME	560	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES--SPORTS	192	31321
INSTRUCTORS--NON-VOCATIONAL EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	628	89105
INSTRUMENT REPAIRERS, PRECISION	549	85905
INSULATION WORKERS	602	87802
INSURANCE APPRAISERS--AUTO DAMAGE	314	53305
INSURANCE CLAIMS CLERKS	316	53311
INSURANCE EXAMINING CLERKS	315	53308
INSURANCE POLICY PROCESSING CLERKS	317	53314
INSURANCE WORKERS	312	53300
INTERIOR DESIGNERS	259	34041
INTERVIEW CLERKS--EX PERSONNEL, WELFARE	351	55332
INVESTIGATIVE, RELATED, EX INSURANCE	318	53500
INVESTIGATORS--CLERICAL	320	53505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
JANITORS, CLEANERS--EXCEPT MAIDS	445	67005
JEWELERS AND SILVERSMITHS	634	89123
JOB PRINTERS	658	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	485	79041
LANDSCAPE ARCHITECTS	71	22308
LATHÉ MACHINE SETTERS--METAL, PLASTIC	689	91105
LATHERS	573	87114
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	632	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPERATORS	739	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	331	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	325	53708
LICENSED VOCATIONAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING WORKERS, NEC	667	89719
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	661	89710
LAUNDRY, DRYCLEAN MACH OPS--EX PRESS	759	92726
LOADING MACHINE OPERATORS--MINING	875	97932
LOAN AND CREDIT CLERKS	308	53121
LOAN INTERVIEWERS	305	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	555	85923
LOCOMOTIVE ENGINEERS	843	97305
LOCOMOTIVE FIRERS	845	97311
LODGING AND TRAVEL WORKERS	326	53800
LOG GRADERS AND SCALERS	477	79008
LOG HANDLING EQUIPMENT OPERATORS	472	73008
LOGGING TRACTOR OPERATORS	473	73011
LONGSHORE EQUIPMENT OPERATORS	865	97902
MACHINE BUILDERS & OTHER PRECISION MACH ASSEMBLER	792	93105
MACHINE FORMING OPS, TENDERS--METAL, PLASTIC	701	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	694	91300
MACHINE SETTER, SET-UP, OP--EX METAL, PLASTIC	761	92900
MACHINE SETTERS, SET-UP OPERATORS, & TENDERS	686	91000
MACHINE TOOL CUTTING OPS--METAL, PLASTIC	693	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	687	91100

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MACHINE TOOL SETTERS, OPS--METAL, PLASTIC	702	91500
MACHINE ASSEMBLERS	799	93902
MACHINE FEEDERS AND OFFBEARERS	899	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	900	98502
MACHINE OPERATORS AND TENDERS, NEC	788	92998
MACHINE SETTERS & SET-UP OPERATORS, NEC	787	92997
MACHINERY AND RELATED MECHANICS	504	85100
MACHINERY MAINT MECHANICS, NEC	511	85119
MACHINERY MAINTENANCE MECHANICS	505	85110
MACHINERY MAINTENANCE WORKERS	514	85128
MACHINISTS	629	89108
MAIDS AND HOUSEKEEPING CLEANERS	444	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL	374	57302
MAIL MACHINE OPERATORS--PREP AND HANDLING	360	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	373	57300
MAIN LINE STATION ENGINEERS	869	97914
MAINTENANCE MECHANICS--MARINE EQUIP	508	85116
MAINTENANCE MECHANICS--WATER, POWER	510	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	515	85132
MAINTENANCE MECHANICS--SEWING MACHINE	507	85113
MAINTENANCE MECHANICS--TEXTILE	506	85112
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	452	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKING CLERKS	385	58021
MASONS AND RELATED WORKERS	577	87300
MATERIAL MOVEMENT EQUIPMENT OPERATORS	864	97900
MATERIAL MOVING EQUIP OPERATORS, NEC	884	97989
MATERIAL RECORDING, DISPATCHING	378	58000
MATERIAL RECORDING, RELATED, NEC	389	58099
MATES--SHIP, BOAT, AND BARGE	851	97505
MATH SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS--HAND	811	93938
MECHANICAL CONTROL, VALVE INSTALLERS	557	85928
MECHANIC AND REPAIRER HELPERS	887	98100
MECHANIC AND REPAIRER HELPERS, NEC	888	98102
MECHANICAL ENGINEERING TECHNICIANS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	503	85000
MECHANICS, NEC	527	85399
MECHANICS, INSTALLERS, REPAIRERS, NEC	566	85999
MEDICAL, CLINICAL LAB ASSISTANTS	232	32905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MEDICAL, CLINICAL LAB TECHNOLOGISTS	231	32902
MEDICAL APPLIANCE MAKERS	683	89923
MEDICAL ASSISTANTS	434	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICINE, HEALTH SERVICES MANAGERS	11	15008
MENDERS, GARMENTS AND LINENS	565	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	285	49000
MESSENGERS	377	57311
METAL FABRICATING MACH SETTERS, OPS	706	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	711	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	716	91911
METAL MOLDING, MACHINE SETTER, SET-UP	715	91908
METAL POURERS, CASTERS--BASIC	812	93941
METAL WORKERS, NEC--PRECISION	639	89199
METAL WORKERS, PRECISION	626	89100
METAL, PLASTIC MACHINE SETTERS, OPS NEC	727	92100
METAL, PLASTIC PROCESS MACHINE SETTERS	712	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	383	58014
MANAGERS AND ADMINISTRATIVE OCCUPATIONS	2	10000
MILLING MACHINE SETTERS--METAL, PLASTIC	691	91111
MILLWRIGHTS	512	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	621	87943
MINING ENGINEERS--INCL MINE SAFETY	55	22108
MINING MACHINE OPERATORS	619	87940
MINING MACHINE OPERATORS, NEC	622	87949
MINING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AGRICULTURE, FORESTRY, FISHING	475	79000
MISC HELPERS, LABORERS--HAND	905	98900
MISC HELPERS, LABORERS--HAND, NEC	908	98999
MISC INDUSTRY SPECIFIC CLERICAL	330	53900
MISC MECHANICS, INSTALLERS, REPAIRERS	547	85900
MISC METAL, PLASTIC MACHINE SETTERS OPERATORS	726	91999
MISC PERSONAL SERVICE OCCUPATIONS	449	68000
MISC PROFESSIONALS, PARAPROFS, TECHNICAL	266	39000
MISC SECRETARIAL, GENERAL OFFICE OCCS	341	55300
MISC SERVICE WORKERS	464	69000
MISC TRANSPORTATION WORKERS	859	97800
MARKETING, ADVERTISING, PUBLIC-RELATIONS MANAGERS	6	13011
MOBILE EQUIPMENT MECHANICS, REPAIRERS	516	85300
MOBILE HEAVY EQUIP MECHANICS--EX ENGINE	521	85314
MODELS	296	49036
MOLDERS AND CASTERS--HAND	813	93944
MOLDERS, SHAPERS--EX JEWELRY	677	89905
MOTION PICTURE PROJECTIONISTS	763	92905
MOTOR VEHICLE OPERATORS	833	97100
MOTOR VEHICLE OPERATORS, NEC	840	97199
MOTORBOAT OPERATORS	853	97511

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTORCYCLE REPAIRERS	519	85308
MUNICIPAL CLERKS	324	53705
MUNICIPAL WORKERS	322	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	554	85921
MUSICIANS-INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NEW ACCOUNTS CLERKS	303	53105
NONELECTROLYTIC PLATING & COATING MACHINE-OPS	721	91926
NONELECTROLYTIC PLATING MACHINE-SETTERS & SET-UP	720	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS	98	24508
NUMERICAL MACHINE TOOL OPS-METAL, PLASTIC	703	91502
NURSE AIDES, ORDERLIES, ATTENDANTS	435	66008
NURSERY & GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS	439	66021
OCCUPATIONS NOT CLASSIFIED	909	
OFFICE MACHINE, CASH REGISTER SERVICERS	556	85926
OFFICE MACHINE OPERATORS, NEC	365	56099
OFFSET LITHOGRAPHIC PRESS SETTERS	738	92512
OIL PUMPER-EXCEPT WELL HEAD	867	97908
OPERATING ENGINEERS	883	97956
OPERATIONS & SYSTEMS RESEARCHERS-EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	681	89917
OPTICIANS-DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS-MATERIALS, SERVICE	348	55323
ORDER FILLERS-WHOLESALE & RETAIL SALE	387	58026
ORDINARY SEAMEN AND MARINE OILERS	855	97517
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER ELECTRICAL EQUIPMENT MECHANICS	535	85700
OTHER HAND WORKERS	798	93900
OTHER HEALTH PROFESSIONALS, PARAPROFS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	675	89900
OTHER PROFESSIONALS, PARAPROF, TECHNICAL	272	39999
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	786	92974
PAINT, COAT & SPRAY MACHINE SETTERS	778	92951
PAINTERS AND RELATED WORKERS	584	87400
PAINTERS, PAPERHANGERS-CONSTRUCTION	585	87402
PAINTERS, TRANSPORTATION EQUIPMENT	777	92947
PAINTING, COATING, DECORATING-HAND	814	93947
PAINTING, RELATED MACHINE OPERATORS, TENDERS	779	92953
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	766	92914
PARALEGAL PERSONNEL	141	28305

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PARKING ENFORCEMENT OFFICERS	405	63021
PARKING LOT ATTENDANTS	862	97808
PARKS, REC, LEISURE, FITNESS STUDIES TEACHERS, POST	181	31258
PASTE UP WORKERS	659	89706
PATTERN AND MODEL MAKERS--METAL	631	89114
PATTERN AND MODEL MAKERS--WOOD	641	89302
PATTERN MARKERS--WOOD	642	89305
PATTERNMAKERS AND LAYOUT WORKERS	648	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	678	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	598	87708
PAYROLL AND TIMEKEEPING CLERKS	354	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	362	56014
PERSONNEL CLERKS--EX PAYROLL	345	55314
PERSONNEL, TRAINING, LABOR-RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS	37	21500
PERSONNEL, TRAINING, LABOR-RELATIONS SPECIALISTS, NEC	41	21511
PERSONAL AND HOME CARE AIDES	461	68035
PEST CONTROLLERS AND ASSISTANTS	446	67008
PETROLEUM REFINERY, CONTROL PANEL OPERATORS	824	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	823	95011
PETROLEUM TECHNICIANS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	441	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	662	89712
PHOTOENGRAVING, LITHOGRAPHING MACHINE OPERATORS	747	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESSING MACHINE OPS & TENDERS	764	92908
PHOTOGRAPHIC PROCESS WORKER, PRECISION	680	89914
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	438	66017
PHYSICAL, LIFE SCIENCE TECHNICIANS	95	24500
PHYSICAL, LIFE SCIENCE TECHNICIANS, NEC	100	24599
PHYSICIANS AND SURGEONS	205	32102
PHYSICIAN'S ASSISTANTS	224	32511
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	597	87705
PILOTS--SHIP	852	97508
PIPELAYERS	589	87508
PIPELAYING FITTERS	588	87505
PLANT AND SYSTEM OCCUPATIONS	819	95000
PLANT AND SYSTEM OPERATORS, NEC	831	95099
PLAST MOLDING, CASTING MACHINE SETTER	713	91902
PLASTERERS AND STUCCO MASONS	583	87317

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLASTIC MOLDING, CASTING MACHINE OPS	714	91905
PLATEMAKERS	666	89718
PLUMBERS AND RELATED WORKERS	586	87500
PLUMBERS, PIPEFITTERS, STEAMFITTER	587	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	395	61005
POLICE DETECTIVES	402	63011
POLICE PATROL OFFICERS	403	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	808	93928
POSTAL MAIL CARRIERS	375	57305
POSTAL SERVICE CLERKS	376	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	829	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	826	95021
POWER REACTOR OPERATORS	828	95026
POWERHOUSE, RELATED ELECTRICIANS	542	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	696	91305
PRESSERS--DELICATE FABRICS	653	89517
PRESSERS--HAND	805	93921
PRESSING MACH OPS--TEXTILE, GARMENT	760	92728
PRINT PRESS SETTERS, SET UP OPS	737	92510
PRINT PRESS SETTERS, SET-UP OPS NEC	740	92519
PRINT REL SETTERS, SET-UP OPS, NEC	744	92529
PRINT, BINDING, RELATED MACHINE OPS, TENDER	749	92549
PRINTING PRESS MACHINE OPS, TENDER	746	92543
PRINTING WORKERS, NEC--PRECISION	669	89799
PRINTING WORKERS, PRECISION	656	89700
PRINTING, BINDING, RELATED WORKERS	736	92500
PROCUREMENT CLERKS	349	55326
PROD INSPECTORS, TESTERS, & GRADER	500	83005
PROD, CONST, OPER, MATERIAL HANDLING	490	80000
PROD, PLANNING, EXPEDITING CLERKS	381	58008
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	625	89000
PROFESSIONAL, PARAPROF, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	334	53911
PROPERTY AND REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	398	63000
PROTECTIVE SERVICE WORKERS, NEC	415	63099
PRUNERS	483	79033
PSYCHIATRIC AIDES	437	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237
PUBLIC ADMIN CHIEF EXECUTIVES, LEGISLATORS	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	882	97953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PUNCH MACHINE SETTERS--METAL, PLASTIC	695	91302
PURCHASING AGENTS AND BUYERS--FARM PRODUCTS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODS	36	21308
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	533	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	522	85317
RAIL TRANSPORTATION WORKERS	841	97300
RAIL VEHICLE OPERATIVES, NEC	848	97399
RAIL YARD ENGINEERS AND RELATED	844	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	847	97317
RAILROAD CONDUCTORS, YARDMASTERS	842	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	411	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPS	600	87714
REAL ESTATE CLERKS	335	53914
RECEPTIONISTS, INFORMATION CLERKS	343	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	513	85126
REFUSE COLLECTORS	903	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	582	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANS TICKET AGENTS	328	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY CARE PRACTITIONERS	213	32302
RIGGERS	559	85935
ROASTING, BAKING MACHINE OPERATORS--FOOD	768	92921
ROCK SPLITTERS, QUARRY	613	87908
ROLLING MACH SETTERS--METAL, PLASTIC	699	91314
ROOF BOLTERS	618	87923
ROOFERS	605	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACT	614	87911
ROUSTABOUTS	617	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	276	43002
SALES AGENTS--ADVERTISING	283	43023
SALES AGENTS--FINANCIAL SERVICES	280	43014
SALES AGENTS--REAL ESTATE	278	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	281	43017
SALES AGENTS--SERVICE	275	43000
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	297	49999
SALES ENGINEERS	286	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC EX RET	288	49008

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	287	49005
SALES REPRESENTATIVES, SERVICE--NEC	284	43099
SALESPERSONS, RETAIL	289	49011
SALESPERSONS--PARTS	290	49014
SAW MACHINE TOOL SETTERS--METAL, PLASTIC	688	91102
SAWING MACHINE OPERATORS AND TENDERS	733	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	731	92302
SCANNER OPERATORS	664	89715
SCREEN PRINT MACHINE SETTERS, SET-UP	742	92524
SECRETARIAL, GENERAL OFFICE OCCUPATIONSS	336	55000
SECRETARIES	337	55100
SECRETARIES, GENERAL	340	55108
SECRETARIES, LEGAL	338	55102
SECRETARIES, MEDICAL	339	55105
SELECTED ROAD, RAIL AND RELATED	595	87700
SEPARATING, STILL MACHINE OPS, TENDERS	782	92962
SEPTIC TANK, SEWER PIPE SERVICERS	590	87511
SERVICE OCCUPATIONS	392	60000
SERVICE STATION ATTENDANTS	861	97805
SERVICE UNIT OPERATORS	616	87917
SERVICE WORKERS, NEC	465	69999
SEWERS--HAND	806	93923
SEWING MACHINE OPERATORS--GARMENT	756	92717
SEWING MACHINE OPS--NON-GARMENT	757	92721
SHAMPOOERS	453	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	697	91308
SHEET METAL DUCT INSTALLERS	604	87805
SHEET METAL WORKERS	637	89132
SHERIFFS AND DEPUTY SHERIFFS	409	63032
SHIP ENGINEERS	856	97521
SHIPFITTERS	633	89121
SHOE AND LEATHER WKRS--PRECISION	651	89511
SHOE SEWING MACHINE OPS, TENDERS	758	92723
SHUTTLE CAR OPERATORS	876	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	532	85511
SLAUGHTERERS AND BUTCHERS	671	89802
SMALL ENGINE SPECIALISTS	526	85328
SOCIAL SCI, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENCE--INCL URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	804	93917
SOLDERING, BRAZING MACH OPS, TENDERS	710	91711
SOLDERING, BRAZING MACH SETTERS	709	91708
SPEC MATERL PRINTING MACH SETTERS	741	92522
SPECIAL AGENTS--INSURANCE	39	21505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	652	89514
SPRAYERS, APPLICATORS	484	79036
STATEMENT CLERKS	310	53126
STATION INSTALLERS--TELEPHONE	544	85726
STATIONARY ENGINEERS	830	95032
STATISTICAL CLERKS	350	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTER	342	55302
STEVEDORES--EX EQUIPMENT OPERATORS	902	98702
STOCK CLERKS--SALES FLOOR	292	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	386	58023
STONE MASONS	579	87305
STRIPPERS	665	89717
STRUCTURAL METAL WORKERS	607	87814
SUBWAY AND STREETCAR OPERATORS	846	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING AND MAPPING SCIENTISTS	72	22311
SURVEYING AND MAPPING TECHNICIANS	80	22521
SWITCHBOARD OPERATORS	368	57102
SYSTEMS ANALYSTS--ELECTRIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	866	97905
TAPERS	572	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	838	97114
TEACHER AIDES & EDUCATIONAL ASSISTANTS, CLERICAL	332	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS, KINDERGARTEN	186	31304
TEACHERS, PRESCHOOL	185	31303
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL ED AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	371	57111
TELEGRAPH, TELETYPE INSTALLERS	531	85508
TELEMARKETERS, SOLICITORS & RELATED	294	49026
TELEPHONE, CABLE TV INSTALLERS	536	85702
TELLERS	302	53102
TEXTILE, APPAREL, FURNISHINGS, NEC--PRECISION	655	89599
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	755	92714
TEXTILE DRAW-OUT MACH OPERATORS, TENDERS	754	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	751	92702
TEXTILE OPERATORS, TENDERS--WIND, TWIST, KNIT	752	92705
TEXTILE, APPAREL, FURNISHINGS, PRECISION	647	89500
TEXTILE, RELATED SETTERS, OPERATORS	750	92700

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	469	73000
TIMBER CUTTING AND RELATED, NEC	474	73099
TIRE BUILDING MACHINE OPERATORS	765	92911
TIRE REPAIRERS AND CHANGERS	564	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	627	89102
TOOL GRINDERS, FILERS, SHARPENERS	630	89111
TRAFFIC TECHNICIANS	268	39005
TRAFFIC, SHIPPING, RECEIVING CLERKS	388	58028
TRANS AND RELATED WORKERS, NEC	863	97899
TRANS ATTENDANTS--EX FLIGHT	459	68028
TRANS, MATERIAL MOVING EQUIPMENT OPS, NEC	885	97999
TRANS, MATERIAL MOVING MACHINE OPS	832	97000
TRANSIT CLERKS	304	53108
TRANSPORTATION AGENTS	382	58011
TRANSPORTATION INSPECTORS	501	83008
TRAVEL AGENTS	282	43021
TRAVEL CLERKS	327	53802
TRUCK DRIVERS, HEAVY	834	97102
TRUCK DRIVERS, LIGHT	835	97105
TYPESETTING, COMPOSING MACHINE OPS	745	92541
TYPISTS, INCLUDING WORD PROCESSING	344	55307
U.S. MARSHALLS	407	63026
UNDERGROUND MINE MACHINE MECHANICS	509	85117
UNDERWRITERS	26	21102
UPHOLSTERERS	650	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	456	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	907	98905
VETERINARY ASSISTANTS	486	79806
VETERINARY TECHNICIANS	243	32951
VETS AND VETERINARY INSPECTORS	210	32114
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	419	65008
WARDROBE ATTENDANTS	460	68032
WATCH ASSEMBLERS, RELATED--PRECISION	796	93117
WATCHMAKERS	553	85917
WATER TRANSPORTATION WORKERS	849	97500
WATER TREATMENT PLANT OPERATORS	820	95002
WEIGHERS, MEASURERS--RECORDKEEPING	384	58017
WELDERS AND CUTTERS	803	93914
WELDING MACH OPERATORS AND TENDERS	708	91705
WELDING MACH SETTERS, SET-UP OPS	707	91702
WELFARE ELIGIBILITY WORKERS, INTERVIEWERS	319	53502
WELL HEAD PUMPERS	868	97911
WHOLESALE AND RETAIL BUYERS--EX FARM PRODS	34	21302
WOOD MACHINISTS	643	89308

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WOODWORK MACH OPS,TNDRS--EX SAWING	735	92314
WOODWORK MACH SETTERS--EX SAWING	734	92311
WOODWORKERS, NEC--PRECISION	646	89399
WOODWORKERS, PRECISION	640	89300
WOODWORKING MACHINE SETTERS, OPS	730	92300
WORKERS, PRECISION--NEC	685	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTER, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers

to aid in providing services. Trade associations and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone - (415) 512-2770
Fax - (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How NAICS will affect the economic data you use.

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

www.census.gov/naics

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

The Process

Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either state-wide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections

to produce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

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Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

San Jose PMSA

Santa Clara County

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$19.28	\$30.33	\$22.71	\$28.07	\$36.95
27-2011	Actors	(2)	(2)	(2)	(2)	(2)
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$32.14	\$45.16	\$40.52	\$48.26	\$53.89
11-3011	Administrative Services Managers	\$22.79	\$37.24	\$25.71	\$36.14	\$47.19
11-2011	Advertising and Promotions Managers	\$35.39	\$52.77	\$44.91	\$56.21	\$59.61
41-3011	Advertising Sales Agents	\$18.00	\$31.39	\$21.16	\$30.32	\$38.87
19-4011	Agricultural and Food Science Technicians	\$10.55	\$14.93	\$11.61	\$13.50	\$17.22
19-1010	Agricultural and Food Scientists	\$20.26	\$29.37	\$22.25	\$30.59	\$35.37
49-3011	Aircraft Mechanics and Service Technicians	\$17.37	\$23.58	\$20.20	\$24.37	\$27.59
17-1099	All Other Architects, Surveyors, and Cartographers	\$26.00	\$36.22	\$28.76	\$38.64	\$43.22
27-1099	All Other Art and Design Workers	\$15.96	\$25.32	\$18.43	\$22.63	\$33.09
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$7.88	\$14.34	\$9.50	\$14.16	\$19.39
47-4999	All Other Construction Trades and Related Workers	\$14.18	\$20.90	\$15.52	\$18.41	\$26.75
21-9099	All Other Counselors, Social and Religious Workers	\$12.67	\$21.07	\$15.15	\$22.15	\$26.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$16.06	\$23.48	\$18.98	\$23.43	\$27.80
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$12.08	\$18.65	\$13.60	\$18.25	\$22.22
43-4999	All Other Financial, Information, and Record Clerks	\$10.11	\$17.31	\$11.85	\$15.25	\$22.08
51-3099	All Other Food Processing Workers	\$8.66	\$11.76	\$9.33	\$11.24	\$13.65
29-9199	All Other Health Professionals and Technicians	\$12.61	\$19.86	\$15.17	\$18.11	\$23.98
23-9099	All Other Legal and Related Workers	\$16.55	\$27.22	\$18.12	\$24.17	\$32.68
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$13.22	\$19.00	\$14.94	\$17.68	\$23.31
51-5099	All Other Printing Workers	\$14.86	\$37.80	\$17.46	\$49.60	\$55.04
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$10.94	\$15.80	\$12.30	\$14.81	\$18.74
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
39-3091	Amusement and Recreation Attendants	\$6.86	\$9.11	\$7.18	\$8.42	\$10.37
39-2011	Animal Trainers	\$8.40	\$13.08	\$8.97	\$10.91	\$13.36
27-3010	Announcers	\$8.58	\$17.80	\$9.46	\$13.98	\$22.63
13-2021	Appraisers and Assessors of Real Estate	\$19.01	\$33.82	\$21.55	\$28.49	\$44.67
17-1011	Architects, Except Landscape and Naval	\$28.82	\$35.58	\$30.51	\$34.99	\$41.40
17-3011	Architectural and Civil Drafters	\$14.20	\$19.38	\$15.27	\$19.79	\$21.99
17-0000	Architecture and Engineering Occupations	\$21.40	\$35.07	\$25.14	\$33.41	\$44.12
25-4010	Archivists, Curators, and Museum Technicians	\$14.43	\$22.30	\$16.53	\$21.41	\$27.91
27-1011	Art Directors	\$24.06	\$34.44	\$25.54	\$31.31	\$44.51

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$13.24	\$27.39	\$16.69	\$24.74	\$34.76
51-2099	Assemblers and Fabricators, All Other	\$8.98	\$12.29	\$9.63	\$11.29	\$14.61
19-2011	Astronomers	\$22.95	\$38.00	\$25.62	\$37.99	\$48.61
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$10.15	\$18.45	\$12.03	\$15.66	\$20.53
29-1121	Audiologists	\$23.86	\$29.30	\$29.13	\$31.52	\$33.93
25-9011	Audio-Visual Collections Specialists	\$14.21	\$20.16	\$15.80	\$20.22	\$25.15
49-3021	Automotive Body and Related Repairers	\$9.33	\$17.53	\$11.03	\$17.47	\$24.06
49-3023	Automotive Service Technicians and Mechanics	\$10.64	\$19.83	\$11.88	\$21.15	\$26.09
49-2091	Avionics Technicians	\$12.87	\$17.97	\$13.49	\$17.89	\$22.32
39-6011	Baggage Porters and Bellhops	\$7.21	\$8.94	\$7.58	\$8.53	\$10.14
51-3011	Bakers	\$9.01	\$13.06	\$9.85	\$11.86	\$16.28
39-5011	Barbers	\$7.93	\$8.67	\$7.68	\$8.29	\$8.89
35-3011	Bartenders	\$6.75*	\$8.99	\$7.13	\$8.13	\$9.52
49-3091	Bicycle Repairers	\$8.16	\$10.76	\$9.06	\$11.28	\$12.84
43-3011	Bill and Account Collectors	\$11.94	\$17.44	\$13.40	\$16.94	\$20.71
43-3021	Billing and Posting Clerks and Machine Operators	\$11.75	\$17.20	\$13.31	\$16.38	\$20.43
51-5011	Bindery Workers	\$8.35	\$12.12	\$9.29	\$12.04	\$14.58
19-1021	Biochemists and Biophysicists	\$19.80	\$29.59	\$20.89	\$27.55	\$35.90
19-4021	Biological Technicians	\$14.78	\$21.77	\$17.03	\$21.35	\$26.33

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-2031	Biomedical Engineers	\$28.76	\$41.14	\$31.11	\$36.54	\$52.59
51-5012	Bookbinders	\$12.14	\$19.28	\$13.47	\$17.25	\$25.45
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$12.92	\$18.31	\$14.48	\$17.68	\$21.51
47-2021	Brickmasons and Blockmasons	\$21.53	\$27.09	\$24.47	\$27.66	\$31.64
27-4012	Broadcast Technicians	\$7.87	\$14.09	\$8.66	\$10.29	\$20.45
43-4011	Brokerage Clerks	\$12.39	\$18.31	\$13.89	\$17.10	\$21.47
13-2031	Budget Analysts	\$22.16	\$32.80	\$24.79	\$32.08	\$39.95
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$7.70	\$11.36	\$8.22	\$9.97	\$13.32
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$16.42	\$22.22	\$18.58	\$22.46	\$26.29
53-3022	Bus Drivers, School	\$11.39	\$15.08	\$13.13	\$15.56	\$17.47
53-3021	Bus Drivers, Transit and Intercity	\$11.78	\$16.03	\$13.33	\$16.03	\$18.26
13-0000	Business and Financial Operations Occupations	\$17.67	\$30.44	\$21.00	\$27.98	\$37.79
13-1199	Business Operations Specialists, All Other	\$15.72	\$27.64	\$18.06	\$25.23	\$35.28
51-3021	Butchers and Meat Cutters	\$13.46	\$18.58	\$16.35	\$19.80	\$21.72
51-7011	Cabinetmakers and Bench Carpenters	\$10.23	\$16.48	\$11.66	\$15.52	\$20.81
27-4031	Camera Operators, Television, Video, and Motion Picture	\$15.58	\$25.83	\$18.66	\$25.68	\$31.04
29-2031	Cardiovascular Technologists and Technicians	\$11.96	\$17.22	\$12.37	\$15.36	\$21.38
43-5011	Cargo and Freight Agents	\$12.46	\$17.01	\$14.24	\$16.64	\$20.59
47-2031	Carpenters	\$13.70	\$21.86	\$15.14	\$20.64	\$28.83
47-2041	Carpet Installers	\$13.33	\$22.80	\$14.67	\$20.39	\$30.90

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-2011	Cashiers	\$7.19	\$10.00	\$7.56	\$8.76	\$11.15
47-2051	Cement Masons and Concrete Finishers	\$12.34	\$19.83	\$14.07	\$20.55	\$25.41
35-1011	Chefs and Head Cooks	\$11.73	\$18.12	\$13.11	\$16.65	\$21.23
17-2041	Chemical Engineers	\$25.62	\$36.62	\$28.66	\$34.09	\$43.00
51-9011	Chemical Equipment Operators and Tenders	\$10.26	\$16.62	\$11.94	\$17.03	\$21.06
19-4031	Chemical Technicians	\$12.59	\$17.92	\$13.83	\$17.16	\$21.23
19-2031	Chemists	\$19.09	\$28.90	\$21.20	\$27.91	\$35.12
11-1011	Chief Executives	\$53.15	(3)	\$61.78	>\$70.00	>\$70.00
39-9011	Child Care Workers	\$7.78	\$11.01	\$8.59	\$11.51	\$12.92
21-1021	Child, Family, and School Social Workers	\$11.39	\$16.83	\$13.56	\$16.60	\$20.20
27-2032	Choreographers	\$19.45	\$28.98	\$21.40	\$25.83	\$36.38
17-3022	Civil Engineering Technicians	\$17.37	\$26.04	\$20.79	\$27.69	\$32.44
17-2051	Civil Engineers	\$21.96	\$32.03	\$24.76	\$29.84	\$38.33
13-1031	Claims Adjusters, Examiners, and Investigators	\$16.39	\$23.34	\$17.99	\$22.43	\$28.24
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$8.98	\$6.83	\$7.96	\$10.46
21-2011	Clergy	\$12.56	\$20.48	\$13.56	\$20.00	\$25.57
19-3031	Clinical, Counseling, and School Psychologists	\$18.79	\$28.22	\$21.95	\$28.87	\$34.91
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$8.28	\$12.66	\$8.80	\$11.89	\$15.42
51-2021	Coil Winders, Tapers, and Finishers	\$7.78	\$11.47	\$8.23	\$9.84	\$12.57

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.97	\$6.80	\$7.68	\$8.58
27-1021	Commercial and Industrial Designers	\$23.30	\$33.26	\$26.34	\$31.83	\$38.96
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$11.17	\$16.19	\$13.87	\$16.75	\$18.84
21-0000	Community and Social Services Occupations	\$12.37	\$19.69	\$14.66	\$18.80	\$24.22
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$20.21	\$27.93	\$22.49	\$26.45	\$32.87
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.54	\$24.86	\$16.37	\$22.30	\$31.34
15-1011	Computer and Information Scientists, Research	\$36.81	\$50.81	\$44.16	\$52.56	\$60.94
11-3021	Computer and Information Systems Managers	\$44.09	\$56.68	\$49.80	\$57.80	\$61.78
15-0000	Computer and Mathematical Occupations	\$24.68	\$39.08	\$29.28	\$39.10	\$49.30
17-2061	Computer Hardware Engineers	\$31.96	\$46.32	\$36.55	\$46.49	\$57.52
43-9011	Computer Operators	\$13.45	\$20.11	\$15.70	\$19.13	\$23.56
15-1021	Computer Programmers	\$19.92	\$35.71	\$25.27	\$36.38	\$45.98
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$31.38	\$43.22	\$35.43	\$43.32	\$52.15
15-1032	Computer Software Engineers, Systems Software	\$31.65	\$44.72	\$36.56	\$44.67	\$54.79
15-1099	Computer Specialists, All Other	\$17.84	\$31.78	\$21.69	\$31.81	\$40.63
15-1041	Computer Support Specialists	\$19.27	\$28.12	\$22.19	\$26.42	\$33.54
15-1051	Computer Systems Analysts	\$22.60	\$36.58	\$26.42	\$36.05	\$45.11
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$14.57	\$20.49	\$16.32	\$20.18	\$24.31

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$11.94	\$17.80	\$13.00	\$16.16	\$21.43
39-6012	Concierges	\$12.20	\$13.73	\$12.21	\$13.15	\$14.11
47-4011	Construction and Building Inspectors	\$23.50	\$28.90	\$24.97	\$28.15	\$32.77
47-0000	Construction and Extraction Occupations	\$13.30	\$23.13	\$15.56	\$21.80	\$30.01
47-2061	Construction Laborers	\$11.37	\$20.06	\$13.27	\$18.44	\$26.58
11-9021	Construction Managers	\$27.13	\$40.64	\$31.09	\$40.25	\$49.03
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$17.37	\$24.62	\$20.07	\$24.90	\$29.57
53-7011	Conveyor Operators and Tenders	\$9.65	\$11.10	\$9.47	\$10.29	\$11.64
35-2011	Cooks, Fast Food	\$6.75*	\$7.24	\$6.75*	\$6.89	\$7.89
35-2012	Cooks, Institution and Cafeteria	\$8.53	\$11.66	\$9.74	\$11.60	\$13.95
35-2014	Cooks, Restaurant	\$9.08	\$11.69	\$9.46	\$10.80	\$14.19
35-2015	Cooks, Short Order	\$6.75*	\$8.03	\$6.75*	\$7.68	\$9.52
43-4021	Correspondence Clerks	\$11.80	\$14.10	\$12.45	\$13.90	\$15.59
13-1051	Cost Estimators	\$21.20	\$34.37	\$24.60	\$34.71	\$42.16
39-3092	Costume Attendants	\$9.51	\$12.11	\$9.89	\$11.28	\$14.97
41-2021	Counter and Rental Clerks	\$8.03	\$12.53	\$8.77	\$10.47	\$13.77
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$9.33	\$7.10	\$8.87	\$10.94
43-5021	Couriers and Messengers	\$9.11	\$13.08	\$9.85	\$11.81	\$14.37
23-2091	Court Reporters	\$36.64	\$46.75	\$47.62	\$51.50	\$55.39
43-4031	Court, Municipal, and License Clerks	\$13.26	\$19.96	\$14.27	\$18.09	\$23.60

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-7021	Crane and Tower Operators	\$13.86	\$23.58	\$14.89	\$18.28	\$27.97
13-2041	Credit Analysts	\$21.00	\$29.30	\$23.06	\$27.93	\$36.61
43-4041	Credit Authorizers, Checkers, and Clerks	\$12.49	\$17.81	\$14.21	\$18.20	\$20.98
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$9.05	\$11.84	\$9.55	\$11.35	\$13.44
43-4051	Customer Service Representatives	\$13.20	\$22.82	\$15.09	\$19.83	\$26.42
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$8.59	\$13.52	\$9.23	\$11.17	\$18.88
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.51	\$14.99	\$11.00	\$15.40	\$18.82
27-2031	Dancers	\$7.32	\$18.24	\$7.73	\$17.60	\$24.30
43-9021	Data Entry Keyers	\$9.68	\$13.35	\$10.72	\$13.14	\$15.79
15-1061	Database Administrators	\$26.91	\$39.59	\$32.54	\$40.34	\$46.64
41-9011	Demonstrators and Product Promoters	\$9.44	\$18.34	\$11.11	\$12.99	\$25.45
31-9091	Dental Assistants	\$16.34	\$18.82	\$18.04	\$19.49	\$20.94
29-2021	Dental Hygienists	\$25.80	\$44.15	\$33.00	\$48.02	\$57.18
51-9081	Dental Laboratory Technicians	\$11.51	\$19.22	\$13.22	\$18.94	\$24.23
29-1020	Dentists	\$61.14	(3)	\$65.03	>\$70.00	>\$70.00
43-9031	Desktop Publishers	\$13.52	\$19.96	\$14.92	\$19.18	\$23.12
33-3021	Detectives and Criminal Investigators	\$23.38	\$31.03	\$25.75	\$31.23	\$36.47
29-2032	Diagnostic Medical Sonographers	\$19.34	\$28.40	\$23.79	\$28.95	\$35.50
29-1031	Dietitians and Nutritionists	\$21.19	\$25.26	\$22.91	\$25.53	\$27.98

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.64	\$6.75*	\$7.01	\$8.73
21-2021	Directors, Religious Activities and Education	\$8.78	\$14.96	\$10.07	\$13.31	\$16.91
35-9021	Dishwashers	\$6.75*	\$7.60	\$6.75*	\$7.59	\$8.45
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$11.40	\$18.43	\$13.02	\$16.99	\$22.55
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.92	\$15.18	\$11.10	\$14.86	\$17.94
53-3031	Driver/Sales Workers	\$7.66	\$12.89	\$8.53	\$11.65	\$16.91
47-2081	Drywall and Ceiling Tile Installers	\$19.18	\$26.65	\$21.43	\$26.03	\$32.83
47-5021	Earth Drillers, Except Oil and Gas	\$19.65	\$32.84	\$24.88	\$31.23	\$36.94
19-3011	Economists	\$45.57	(3)	\$50.01	\$57.01	>\$70.00
27-3041	Editors	\$17.44	\$31.24	\$20.97	\$30.04	\$39.19
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$22.73	\$35.61	\$26.46	\$33.95	\$47.23
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$16.61	\$21.25	\$17.65	\$19.87	\$23.18
25-0000	Education, Training, and Library Occupations	\$11.34	\$22.41	\$13.67	\$21.37	\$31.01
25-9199	Education, Training, and Library Workers, All Other	\$8.98	\$14.95	\$10.28	\$13.65	\$17.34
21-1012	Educational, Vocational, and School Counselors	\$16.48	\$24.26	\$18.42	\$23.91	\$30.98
49-2092	Electric Motor, Power Tool, and Related Repairers	\$11.55	\$20.78	\$14.18	\$21.06	\$28.32
17-3023	Electrical and Electronic Engineering Technicians	\$17.03	\$24.29	\$19.15	\$24.02	\$28.34
51-2022	Electrical and Electronic Equipment Assemblers	\$9.54	\$14.31	\$10.97	\$13.52	\$17.09
17-3012	Electrical and Electronics Drafters	\$15.55	\$25.96	\$16.59	\$20.78	\$32.80

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$14.22	\$22.23	\$17.14	\$22.18	\$27.33
17-2071	Electrical Engineers	\$29.96	\$43.09	\$33.76	\$42.78	\$52.97
49-9051	Electrical Power-Line Installers and Repairers	\$18.18	\$26.78	\$23.56	\$29.58	\$33.15
47-2111	Electricians	\$17.72	\$27.34	\$19.61	\$24.81	\$36.86
51-2023	Electromechanical Equipment Assemblers	\$10.30	\$13.99	\$11.16	\$13.89	\$16.47
17-3024	Electro-Mechanical Technicians	\$13.09	\$21.13	\$15.51	\$19.49	\$25.94
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$9.74	\$9.99	\$9.30	\$9.89	\$10.48
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$8.07	\$13.41	\$8.94	\$13.27	\$16.97
17-2072	Electronics Engineers, Except Computer	\$26.04	\$38.34	\$30.03	\$37.42	\$46.52
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
39-4011	Embalmers	\$16.83	\$19.77	\$18.51	\$20.19	\$21.88
13-1061	Emergency Management Specialists	\$20.63	\$31.55	\$24.22	\$28.71	\$39.16
29-2041	Emergency Medical Technicians and Paramedics	\$9.94	\$16.49	\$11.59	\$15.65	\$18.81
13-1071	Employment, Recruitment, and Placement Specialists	\$18.54	\$32.20	\$21.00	\$27.61	\$40.37
11-9041	Engineering Managers	\$45.81	(3)	\$52.49	\$59.61	>\$70.00
17-2199	Engineers, All Other	\$27.06	\$40.30	\$30.19	\$38.79	\$50.77
25-1123	English Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$15.16	\$20.28	\$16.87	\$20.02	\$23.06
17-2081	Environmental Engineers	\$24.79	\$40.19	\$28.68	\$38.38	\$51.95

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-4091	Environmental Science and Protection Technicians, Including Health	\$18.16	\$27.25	\$19.78	\$24.84	\$33.74
19-2041	Environmental Scientists and Specialists, Including Health	\$22.29	\$30.16	\$23.41	\$26.83	\$38.82
51-9194	Etchers and Engravers	\$6.93	\$9.41	\$7.45	\$8.64	\$10.71
53-7032	Excavating and Loading Machine and Dragline Operators	\$16.18	\$23.88	\$18.48	\$23.46	\$30.74
43-6011	Executive Secretaries and Administrative Assistants	\$16.23	\$22.19	\$18.13	\$21.51	\$26.32
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.78	\$12.27	\$9.42	\$11.22	\$14.34
49-9093	Fabric Menders, Except Garment	\$9.05	\$12.91	\$9.55	\$11.26	\$15.83
49-3041	Farm Equipment Mechanics	\$13.59	\$17.84	\$15.43	\$18.52	\$20.86
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$9.39	\$6.77	\$7.23	\$10.53
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$6.79	\$10.61	\$7.07	\$9.74	\$11.74
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.88	\$9.24	\$6.95	\$7.49	\$10.43
47-4031	Fence Erectors	\$8.43	\$14.08	\$9.87	\$13.10	\$18.19
43-4071	File Clerks	\$10.26	\$13.45	\$11.50	\$13.31	\$15.59
27-4032	Film and Video Editors	\$15.68	\$21.39	\$17.43	\$20.14	\$25.60
13-2051	Financial Analysts	\$25.58	\$37.93	\$29.07	\$35.29	\$43.80
13-2061	Financial Examiners	\$17.17	\$24.43	\$18.21	\$22.94	\$28.87
11-3031	Financial Managers	\$32.84	\$50.14	\$37.83	\$49.63	\$59.61
13-2099	Financial Specialists, All Other	\$17.88	\$29.16	\$20.94	\$28.50	\$34.47
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	\$9.92	\$21.43	\$11.50	\$21.38	\$27.05

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-2011	Fire Fighters	\$16.78	\$27.17	\$21.28	\$27.85	\$34.30
33-2021	Fire Inspectors and Investigators	\$34.18	\$42.10	\$38.58	\$43.71	\$48.03
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$23.88	\$34.03	\$27.14	\$34.57	\$40.78
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$11.24	\$18.71	\$12.94	\$16.56	\$22.33
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$30.52	\$40.43	\$36.44	\$42.26	\$46.63
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$9.58	\$14.03	\$10.59	\$13.07	\$17.08
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$15.17	\$22.13	\$17.36	\$22.23	\$26.85
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$10.21	\$16.23	\$11.22	\$14.72	\$20.10
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$13.73	\$19.88	\$14.68	\$19.39	\$23.63
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$18.21	\$30.21	\$21.15	\$27.41	\$35.38
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$20.83	\$36.12	\$24.74	\$34.36	\$44.79
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$16.54	\$24.88	\$18.94	\$24.09	\$28.65
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$12.93	\$26.54	\$15.70	\$22.20	\$38.74
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$18.61	\$29.03	\$21.25	\$27.80	\$35.44
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$11.75	\$20.52	\$13.29	\$16.88	\$22.06
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$16.84	\$24.94	\$19.31	\$22.64	\$28.75
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$14.61	\$21.74	\$16.40	\$20.87	\$26.07
39-9031	Fitness Trainers and Aerobics Instructors	\$10.64	\$21.80	\$12.80	\$22.47	\$27.33

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$11.44	\$21.41	\$13.02	\$17.67	\$30.52
27-1023	Floral Designers	\$8.94	\$12.03	\$9.53	\$12.09	\$13.76
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$8.22	\$12.36	\$8.62	\$11.11	\$15.94
51-3092	Food Batchmakers	\$8.62	\$12.81	\$9.56	\$12.79	\$15.23
51-3093	Food Cooking Machine Operators and Tenders	\$7.47	\$11.10	\$7.32	\$11.65	\$13.38
35-9099	Food Preparation and Serving Related Workers, All Other	\$7.11	\$9.70	\$7.32	\$9.47	\$11.13
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$9.04	\$6.96	\$8.11	\$10.29
35-2021	Food Preparation Workers	\$7.51	\$8.94	\$7.60	\$8.42	\$10.14
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$9.65	\$6.90	\$9.11	\$11.46
11-9051	Food Service Managers	\$13.85	\$22.48	\$15.48	\$21.15	\$26.57
45-4011	Forest and Conservation Workers	\$6.75*	\$7.85	\$6.75*	\$6.75*	\$6.91
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.13	\$13.10	\$11.35	\$13.37	\$15.44
39-4021	Funeral Attendants	\$9.85	\$12.17	\$9.78	\$10.76	\$15.19
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$9.26	\$13.82	\$10.33	\$12.71	\$18.10
51-7021	Furniture Finishers	\$9.19	\$13.85	\$9.79	\$12.26	\$17.25
11-1021	General and Operations Managers	\$28.78	(3)	\$34.90	\$55.05	>\$70.00
19-2042	Geoscientists, Except Hydrologists and Geographers	\$22.59	\$36.06	\$25.27	\$38.80	\$44.41
47-2121	Glaziers	\$11.14	\$20.61	\$11.85	\$19.00	\$30.26
27-1024	Graphic Designers	\$16.44	\$29.58	\$19.15	\$25.90	\$37.08
51-9022	Grinding and Polishing Workers, Hand	\$8.67	\$11.39	\$9.35	\$10.93	\$12.90

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$8.47	\$14.29	\$9.57	\$12.29	\$17.86
37-3019	Grounds Maintenance Workers, All Other	\$13.09	\$16.71	\$13.85	\$17.43	\$19.70
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.43	\$11.75	\$7.95	\$10.35	\$15.61
47-4041	Hazardous Materials Removal Workers	\$12.08	\$16.67	\$13.27	\$15.73	\$18.55
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$19.98	\$32.13	\$21.54	\$31.86	\$39.80
21-1091	Health Educators	\$14.80	\$18.60	\$15.37	\$16.99	\$19.97
29-0000	Healthcare Practitioners and Technical Occupations	\$17.35	\$30.84	\$20.64	\$29.12	\$37.43
31-0000	Healthcare Support Occupations	\$10.39	\$14.88	\$11.60	\$14.73	\$17.72
31-9099	Healthcare Support Workers, All Other	\$10.97	\$14.76	\$12.28	\$14.82	\$16.78
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$13.37	\$18.64	\$16.22	\$19.29	\$21.36
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$16.37	\$24.83	\$17.92	\$22.60	\$29.32
47-3019	Helpers, Construction Trades, All Other	\$7.35	\$12.44	\$8.09	\$10.70	\$15.76
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$11.38	\$14.85	\$12.65	\$15.02	\$17.26
47-3012	Helpers--Carpenters	\$11.45	\$14.94	\$12.67	\$14.91	\$17.14
47-5081	Helpers--Extraction Workers	\$11.45	\$16.37	\$13.46	\$16.54	\$20.13
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$7.68	\$11.51	\$7.90	\$9.79	\$14.55
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$9.29	\$13.68	\$10.26	\$13.09	\$16.48
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$9.70	\$12.55	\$10.14	\$11.83	\$13.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9198	Helpers--Production Workers	\$8.26	\$11.70	\$9.36	\$11.94	\$13.64
47-3016	Helpers--Roofers	\$9.13	\$11.18	\$9.49	\$11.09	\$12.87
47-4051	Highway Maintenance Workers	\$13.90	\$18.46	\$15.37	\$17.99	\$21.71
49-9031	Home Appliance Repairers	\$10.59	\$21.86	\$12.39	\$22.14	\$31.79
31-1011	Home Health Aides	\$8.51	\$11.74	\$9.63	\$11.67	\$14.24
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.96	\$9.22	\$7.30	\$8.28	\$10.68
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.75	\$10.14	\$8.07	\$9.45	\$12.07
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$14.54	\$21.04	\$16.54	\$20.52	\$25.01
11-3040	Human Resources Managers	\$27.08	\$43.54	\$32.12	\$42.60	\$55.84
19-2043	Hydrologists	\$29.01	\$33.51	\$29.95	\$32.80	\$36.44
17-3026	Industrial Engineering Technicians	\$16.67	\$23.36	\$18.48	\$22.62	\$27.54
17-2112	Industrial Engineers	\$27.58	\$38.98	\$30.76	\$37.48	\$47.46
49-9041	Industrial Machinery Mechanics	\$15.65	\$21.43	\$19.02	\$21.99	\$25.60
11-3051	Industrial Production Managers	\$33.15	\$47.77	\$38.54	\$48.02	\$58.29
53-7051	Industrial Truck and Tractor Operators	\$10.34	\$14.88	\$11.65	\$15.11	\$18.04
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$9.85	\$15.84	\$11.31	\$14.93	\$19.57
49-0000	Installation, Maintenance, and Repair Occupations	\$11.36	\$20.05	\$13.72	\$20.13	\$25.63
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$11.30	\$17.37	\$12.92	\$16.33	\$21.74
43-9041	Insurance Claims and Policy Processing Clerks	\$12.58	\$16.62	\$14.02	\$16.25	\$18.89
41-3021	Insurance Sales Agents	\$18.00	\$31.76	\$19.32	\$31.21	\$36.13

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2053	Insurance Underwriters	\$18.13	\$38.16	\$21.61	\$37.93	\$48.52
27-1025	Interior Designers	\$16.27	\$24.02	\$18.92	\$23.30	\$27.97
29-1063	Internists, General	\$54.40	(3)	\$58.39	\$65.04	>\$70.00
27-3091	Interpreters and Translators	\$12.58	\$18.86	\$13.82	\$16.37	\$22.19
43-4111	Interviewers, Except Eligibility and Loan	\$8.51	\$13.52	\$9.37	\$13.27	\$16.57
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$7.81	\$10.62	\$8.05	\$9.34	\$12.17
51-9071	Jewelers and Precious Stone and Metal Workers	\$15.72	\$24.27	\$16.45	\$24.64	\$31.99
51-5021	Job Printers	\$11.56	\$17.77	\$13.72	\$17.57	\$21.14
23-1023	Judges, Magistrate Judges, and Magistrates	\$50.95	\$58.72	\$58.28	\$62.51	\$66.97
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.91	\$10.89	\$7.43	\$10.42	\$13.52
37-3011	Landscaping and Groundskeeping Workers	\$8.63	\$12.53	\$9.27	\$11.39	\$14.43
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$12.59	\$18.73	\$14.03	\$18.11	\$23.41
51-6011	Laundry and Dry-Cleaning Workers	\$7.95	\$9.50	\$8.19	\$9.35	\$10.72
23-2092	Law Clerks	\$11.78	\$16.35	\$13.21	\$15.34	\$17.30
23-1011	Lawyers	\$47.45	(3)	\$55.92	\$61.07	>\$70.00
23-0000	Legal Occupations	\$21.88	\$45.59	\$26.50	\$49.89	\$65.01
43-6012	Legal Secretaries	\$17.78	\$25.59	\$21.01	\$26.71	\$31.25
11-1031	Legislators	\$18.42	\$21.36	\$18.91	\$20.56	\$22.22
25-4021	Librarians	\$18.15	\$27.30	\$20.80	\$28.09	\$33.74

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
43-4121	Library Assistants, Clerical	\$8.82	\$13.42	\$10.24	\$13.26	\$16.29
25-4031	Library Technicians	\$13.12	\$16.58	\$14.83	\$16.97	\$19.00
29-2061	Licensed Practical and Licensed Vocational Nurses	\$17.36	\$20.71	\$18.59	\$20.74	\$23.07
19-0000	Life, Physical, and Social Science Occupations	\$17.90	\$31.75	\$21.23	\$28.74	\$40.66
13-2071	Loan Counselors	\$19.29	\$26.88	\$20.99	\$25.21	\$31.55
43-4131	Loan Interviewers and Clerks	\$12.72	\$16.54	\$13.98	\$16.00	\$18.62
13-2072	Loan Officers	\$16.87	\$28.17	\$19.38	\$23.85	\$31.22
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$7.68	\$8.64	\$7.70	\$8.42	\$9.21
11-9081	Lodging Managers	\$12.84	\$18.68	\$13.21	\$15.17	\$21.51
53-7063	Machine Feeders and Offbearers	\$10.47	\$13.44	\$11.88	\$13.54	\$15.60
51-4041	Machinists	\$13.84	\$21.75	\$16.48	\$21.72	\$27.12
37-2012	Maids and Housekeeping Cleaners	\$6.96	\$8.87	\$7.37	\$8.61	\$10.14
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$8.85	\$12.93	\$9.79	\$12.90	\$15.24
49-9042	Maintenance and Repair Workers, General	\$9.68	\$17.41	\$11.24	\$16.89	\$22.56
49-9043	Maintenance Workers, Machinery	\$14.03	\$20.17	\$16.13	\$20.01	\$23.64
13-1111	Management Analysts	\$22.75	\$39.16	\$26.26	\$34.02	\$49.55
11-0000	Management Occupations	\$28.55	\$49.56	\$35.33	\$51.29	\$61.79
11-9199	Managers, All Other	\$24.92	\$41.85	\$28.57	\$40.78	\$54.98
39-5092	Manicurists and Pedicurists	\$6.75*	\$7.47	\$6.75*	\$7.05	\$8.35
19-3021	Market Research Analysts	\$25.06	\$39.10	\$28.88	\$37.92	\$48.60

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-2021	Marketing Managers	\$37.40	\$54.76	\$44.56	\$57.59	\$67.98
21-1013	Marriage and Family Therapists	\$6.75*	\$12.08	\$6.75*	\$6.79	\$19.14
31-9011	Massage Therapists	\$9.99	\$17.37	\$10.95	\$18.44	\$22.02
53-7199	Material Moving Workers, All Other	\$11.75	\$17.65	\$13.48	\$17.44	\$21.65
17-2131	Materials Engineers	\$24.61	\$39.66	\$27.72	\$39.18	\$50.71
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-2021	Mathematicians	\$37.93	\$41.30	\$37.87	\$41.23	\$44.88
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$9.59	\$13.49	\$11.68	\$13.76	\$16.29
17-3013	Mechanical Drafters	\$18.39	\$25.74	\$20.78	\$25.42	\$29.63
17-2141	Mechanical Engineers	\$26.64	\$37.72	\$30.10	\$37.00	\$45.46
27-4099	Media and Communication Equipment Workers, All Other	\$14.67	\$24.37	\$17.13	\$23.93	\$32.12
27-3099	Media and Communication Workers, All Other	\$14.84	\$24.11	\$17.23	\$24.51	\$28.20
29-2011	Medical and Clinical Laboratory Technologists	\$23.10	\$27.72	\$24.52	\$27.77	\$31.72
11-9111	Medical and Health Services Managers	\$27.49	\$40.71	\$31.84	\$40.11	\$50.26
21-1022	Medical and Public Health Social Workers	\$16.08	\$22.41	\$17.47	\$21.59	\$26.91
31-9092	Medical Assistants	\$13.01	\$16.41	\$13.82	\$15.96	\$17.81
31-9093	Medical Equipment Preparers	\$15.26	\$15.65	\$14.73	\$15.69	\$16.65
29-2071	Medical Records and Health Information Technicians	\$8.21	\$14.65	\$10.00	\$14.75	\$17.93
19-1042	Medical Scientists, Except Epidemiologists	\$24.23	\$34.86	\$27.87	\$33.29	\$42.34
43-6013	Medical Secretaries	\$10.94	\$17.12	\$12.23	\$16.03	\$20.33

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31-9094	Medical Transcriptionists	\$9.30	\$16.05	\$11.01	\$15.89	\$20.87
13-1121	Meeting and Convention Planners	\$17.68	\$24.87	\$19.12	\$22.70	\$28.65
21-1023	Mental Health and Substance Abuse Social Workers	\$13.99	\$17.39	\$14.75	\$16.66	\$19.86
21-1014	Mental Health Counselors	\$16.88	\$19.16	\$17.89	\$19.29	\$20.75
27-1026	Merchandise Displayers and Window Trimmers	\$10.23	\$14.07	\$11.27	\$12.93	\$15.22
51-4199	Metal Workers and Plastic Workers, All Other	\$9.21	\$12.77	\$9.86	\$11.32	\$14.22
43-5041	Meter Readers, Utilities	\$16.52	\$22.17	\$18.23	\$23.71	\$26.35
19-1022	Microbiologists	\$23.38	\$37.40	\$27.07	\$36.07	\$45.64
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.97	\$16.22	\$11.77	\$14.90	\$20.15
49-9044	Millwrights	\$15.48	\$23.99	\$19.21	\$24.31	\$28.53
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$16.82	\$22.07	\$18.26	\$21.06	\$25.36
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.20	\$10.55	\$7.39	\$9.25	\$11.45
39-3021	Motion Picture Projectionists	\$6.75*	\$10.15	\$6.91	\$8.27	\$10.75
53-3099	Motor Vehicle Operators, All Other	\$6.91	\$11.10	\$7.16	\$9.12	\$14.75
49-3052	Motorcycle Mechanics	\$10.34	\$17.92	\$10.90	\$16.85	\$22.57
27-1014	Multi-Media Artists and Animators	\$22.46	\$33.13	\$24.04	\$27.19	\$35.86
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.31	\$14.80	\$10.64	\$14.78	\$18.35
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)

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27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$40.47	\$56.05	\$46.87	\$58.60	\$69.46
15-1071	Network and Computer Systems Administrators	\$24.85	\$35.21	\$27.65	\$34.91	\$42.64
15-1081	Network Systems and Data Communications Analysts	\$24.93	\$36.33	\$27.45	\$33.42	\$43.96
43-4141	New Accounts Clerks	\$10.94	\$15.33	\$12.25	\$15.35	\$17.48
27-3020	News Analysts, Reporters and Correspondents	\$11.36	\$21.76	\$12.70	\$16.41	\$28.15
39-2021	Nonfarm Animal Caretakers	\$7.87	\$11.10	\$8.23	\$9.85	\$13.69
29-2033	Nuclear Medicine Technologists	\$24.29	\$28.79	\$25.57	\$29.08	\$32.88
51-4012	Numerical Tool and Process Control Programmers	\$18.22	\$24.75	\$21.43	\$25.38	\$28.33
31-1012	Nursing Aides, Orderlies, and Attendants	\$9.50	\$12.01	\$10.11	\$11.64	\$13.74
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-1064	Obstetricians and Gynecologists	\$57.77	(3)	\$58.46	>\$70.00	>\$70.00
29-9010	Occupational Health and Safety Specialists and Technicians	\$17.49	\$26.10	\$20.24	\$26.23	\$32.64
29-1122	Occupational Therapists	\$23.44	\$29.31	\$25.55	\$29.52	\$33.66
43-0000	Office and Administrative Support Occupations	\$10.69	\$17.70	\$12.43	\$16.57	\$21.46
43-9061	Office Clerks, General	\$8.50	\$13.34	\$9.67	\$12.77	\$16.44
43-9071	Office Machine Operators, Except Computer	\$10.04	\$14.08	\$11.17	\$13.94	\$16.60
47-2073	Operating Engineers and Other Construction Equipment Operators	\$23.03	\$31.28	\$27.59	\$31.80	\$35.63
15-2031	Operations Research Analysts	\$26.98	\$39.52	\$31.50	\$39.31	\$44.28
29-2081	Opticians, Dispensing	\$17.24	\$19.35	\$18.25	\$19.81	\$21.37

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1041	Optometrists	\$39.52	\$52.92	\$46.35	\$53.97	\$58.46
43-4151	Order Clerks	\$11.88	\$16.91	\$13.12	\$16.13	\$19.75
29-2091	Orthotists and Prosthetists	\$15.35	\$19.36	\$15.24	\$16.57	\$18.11
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$10.82	\$13.36	\$11.53	\$13.02	\$14.36
51-9111	Packaging and Filling Machine Operators and Tenders	\$7.49	\$12.35	\$8.33	\$12.14	\$15.87
53-7064	Packers and Packagers, Hand	\$7.30	\$10.24	\$7.68	\$8.85	\$12.20
47-2141	Painters, Construction and Maintenance	\$12.06	\$17.78	\$13.89	\$17.44	\$21.46
51-9123	Painting, Coating, and Decorating Workers	\$8.19	\$11.38	\$8.80	\$10.60	\$13.37
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$10.32	\$14.80	\$11.71	\$15.08	\$17.45
23-2011	Paralegals and Legal Assistants	\$18.35	\$25.51	\$20.88	\$25.82	\$30.77
33-3041	Parking Enforcement Workers	\$11.01	\$16.13	\$13.22	\$16.60	\$19.13
53-6021	Parking Lot Attendants	\$7.20	\$8.34	\$7.28	\$8.00	\$8.79
41-2022	Parts Salespersons	\$13.75	\$17.59	\$15.01	\$17.62	\$20.42
51-4062	Patternmakers, Metal and Plastic	\$28.22	\$30.56	\$29.60	\$31.66	\$33.70
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$13.19	\$19.55	\$14.63	\$19.12	\$22.59
43-3051	Payroll and Timekeeping Clerks	\$14.75	\$20.70	\$16.38	\$19.98	\$23.86
29-1065	Pediatricians, General	\$47.41	(3)	\$53.34	\$66.13	>\$70.00
39-9021	Personal and Home Care Aides	\$8.07	\$9.86	\$8.79	\$9.89	\$10.90
39-0000	Personal Care and Service Occupations	\$7.57	\$14.55	\$8.37	\$10.85	\$16.00
39-9099	Personal Care and Service Workers, All Other	\$9.22	\$12.96	\$9.80	\$11.60	\$16.15

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13-2052	Personal Financial Advisors	\$28.35	\$45.52	\$37.72	\$48.53	\$56.19
37-2021	Pest Control Workers	\$13.12	\$17.13	\$13.74	\$16.73	\$20.54
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$10.12	\$15.21	\$11.46	\$15.16	\$18.70
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$19.80	\$20.28	\$19.24	\$20.51	\$21.79
29-1051	Pharmacists	\$35.24	\$40.32	\$38.44	\$41.66	\$44.94
31-9095	Pharmacy Aides	\$9.06	\$12.74	\$10.17	\$13.08	\$15.45
29-2052	Pharmacy Technicians	\$11.82	\$15.83	\$13.05	\$15.32	\$17.45
27-4021	Photographers	\$8.17	\$13.17	\$8.40	\$9.84	\$18.08
51-9131	Photographic Process Workers	\$9.40	\$15.75	\$10.53	\$15.97	\$19.92
51-9132	Photographic Processing Machine Operators	\$8.23	\$11.97	\$8.81	\$11.16	\$14.30
19-2099	Physical Scientists, All Other	\$21.98	\$39.43	\$26.40	\$37.99	\$52.30
31-2022	Physical Therapist Aides	\$9.74	\$15.70	\$10.65	\$13.41	\$21.66
31-2021	Physical Therapist Assistants	\$19.38	\$22.66	\$20.37	\$22.99	\$25.68
29-1123	Physical Therapists	\$27.87	\$32.55	\$29.32	\$32.55	\$36.01
29-1071	Physician Assistants	\$25.03	\$34.29	\$30.50	\$36.22	\$41.15
29-1069	Physicians and Surgeons, All Other	\$30.51	(3)	\$32.44	>\$70.00	>\$70.00
19-2012	Physicists	\$35.45	\$46.51	\$40.98	\$48.43	\$54.21
47-2151	Pipelayers	\$19.04	\$29.20	\$22.28	\$27.33	\$39.67
47-2161	Plasterers and Stucco Masons	\$14.41	\$19.02	\$15.49	\$18.54	\$22.13
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.84	\$11.33	\$8.61	\$10.66	\$13.14

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2152	Plumbers, Pipefitters, and Steamfitters	\$19.14	\$28.85	\$22.31	\$27.97	\$36.52
29-1081	Podiatrists	\$12.18	\$23.97	\$12.59	\$17.32	\$38.73
33-3051	Police and Sheriff's Patrol Officers	\$20.27	\$26.88	\$21.24	\$25.50	\$32.76
43-5031	Police, Fire, and Ambulance Dispatchers	\$15.09	\$21.27	\$17.39	\$20.90	\$23.86
51-4052	Pourers and Casters, Metal	\$12.79	\$17.17	\$14.87	\$17.56	\$20.61
51-8013	Power Plant Operators	\$18.69	\$22.78	\$19.59	\$22.01	\$25.47
49-9069	Precision Instrument and Equipment Repairers, All Other	\$13.78	\$21.26	\$15.95	\$20.64	\$26.61
51-5022	Prepress Technicians and Workers	\$11.26	\$19.08	\$13.27	\$18.79	\$22.33
25-2011	Preschool Teachers, Except Special Education	\$8.49	\$11.44	\$9.28	\$11.38	\$13.28
51-6021	Pressers, Textile, Garment, and Related Materials	\$9.25	\$9.71	\$9.10	\$9.74	\$10.40
51-5023	Printing Machine Operators	\$10.95	\$19.39	\$13.02	\$17.25	\$22.61
33-9021	Private Detectives and Investigators	\$9.07	\$17.18	\$10.02	\$14.99	\$23.77
43-3061	Procurement Clerks	\$11.74	\$17.25	\$13.68	\$16.80	\$20.79
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$9.22	\$15.74	\$10.53	\$14.04	\$19.23
51-9199	Production Workers, All Other	\$7.36	\$13.22	\$8.05	\$11.32	\$17.46
43-5061	Production, Planning, and Expediting Clerks	\$12.85	\$21.47	\$15.39	\$20.74	\$27.31
43-9081	Proofreaders and Copy Markers	\$10.34	\$11.88	\$10.37	\$11.42	\$13.09
11-9141	Property, Real Estate, and Community Association Managers	\$9.18	\$20.52	\$9.95	\$15.34	\$27.33
33-0000	Protective Service Occupations	\$9.73	\$20.13	\$11.22	\$17.00	\$27.85

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-2053	Psychiatric Technicians	\$16.17	\$20.07	\$16.98	\$19.76	\$23.09
29-1066	Psychiatrists	\$25.16	\$51.78	\$43.59	\$58.47	\$60.94
11-2031	Public Relations Managers	\$29.40	\$44.15	\$34.62	\$42.77	\$54.46
27-3031	Public Relations Specialists	\$19.05	\$33.51	\$22.10	\$27.19	\$39.61
53-7072	Pump Operators, Except Wellhead Pumpers	\$15.51	\$21.39	\$19.04	\$23.15	\$25.62
13-1021	Purchasing Agents and Buyers, Farm Products	\$14.35	\$32.73	\$16.79	\$22.62	\$51.68
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$20.37	\$29.24	\$23.05	\$28.72	\$35.11
11-3061	Purchasing Managers	\$26.49	\$41.21	\$30.04	\$40.54	\$51.93
29-1124	Radiation Therapists	\$21.94	\$28.85	\$25.62	\$29.63	\$34.17
27-4013	Radio Operators	\$9.75	\$15.47	\$11.21	\$15.08	\$18.88
29-2034	Radiologic Technologists and Technicians	\$20.65	\$26.01	\$22.49	\$26.06	\$30.05
41-9021	Real Estate Brokers	\$21.67	(3)	\$25.80	\$44.37	>\$70.00
41-9022	Real Estate Sales Agents	\$8.44	\$22.01	\$10.24	\$14.94	\$26.28
43-4171	Receptionists and Information Clerks	\$9.30	\$13.53	\$10.46	\$13.43	\$16.47
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
39-9032	Recreation Workers	\$7.74	\$12.97	\$8.50	\$10.38	\$15.23
29-1125	Recreational Therapists	\$14.33	\$21.16	\$16.55	\$21.86	\$25.96
49-3092	Recreational Vehicle Service Technicians	\$10.32	\$14.91	\$10.92	\$13.64	\$17.80
53-7081	Refuse and Recyclable Material Collectors	\$18.86	\$20.71	\$19.30	\$20.83	\$22.46
29-1111	Registered Nurses	\$25.10	\$32.08	\$27.80	\$32.20	\$36.90

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21-1015	Rehabilitation Counselors	\$11.29	\$14.48	\$11.68	\$12.98	\$16.29
47-2171	Reinforcing Iron and Rebar Workers	\$18.63	\$27.74	\$20.59	\$31.05	\$33.86
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$9.28	\$12.51	\$9.65	\$10.97	\$14.44
39-9041	Residential Advisors	\$10.09	\$14.53	\$10.92	\$14.26	\$18.06
29-1126	Respiratory Therapists	\$18.14	\$23.75	\$19.64	\$23.95	\$27.48
41-2031	Retail Salespersons	\$7.65	\$11.93	\$8.05	\$9.62	\$13.17
49-9096	Riggers	\$14.21	\$18.27	\$15.02	\$17.90	\$21.27
47-2181	Roofers	\$15.57	\$21.56	\$18.18	\$22.08	\$25.76
41-0000	Sales and Related Occupations	\$8.01	\$19.31	\$8.78	\$13.52	\$24.38
41-9031	Sales Engineers	\$26.79	\$39.89	\$30.32	\$38.53	\$48.63
11-2022	Sales Managers	\$30.06	(3)	\$37.20	\$53.53	>\$70.00
41-3099	Sales Representatives, Services, All Other	\$15.35	\$29.50	\$17.81	\$28.50	\$39.44
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$15.74	\$31.38	\$19.42	\$27.86	\$41.69
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$23.36	\$40.11	\$28.38	\$37.68	\$52.96
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$9.95	\$13.57	\$10.79	\$12.37	\$14.11
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$11.54	\$17.37	\$13.51	\$17.64	\$21.09
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$19.73	\$41.81	\$26.13	\$44.18	\$56.83
49-2098	Security and Fire Alarm Systems Installers	\$12.41	\$17.58	\$13.44	\$15.79	\$20.56

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-9032	Security Guards	\$8.49	\$11.92	\$9.49	\$11.38	\$13.47
25-3021	Self-Enrichment Education Teachers	\$13.64	\$20.54	\$14.91	\$18.62	\$26.18
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$10.86	\$16.09	\$12.26	\$14.93	\$20.30
53-6031	Service Station Attendants	\$8.20	\$11.31	\$9.00	\$10.44	\$13.59
27-1027	Set and Exhibit Designers	\$17.18	\$22.41	\$18.43	\$20.67	\$23.44
51-6051	Sewers, Hand	\$7.94	\$9.96	\$8.00	\$8.93	\$12.41
51-6031	Sewing Machine Operators	\$7.30	\$10.88	\$7.75	\$9.90	\$13.51
47-2211	Sheet Metal Workers	\$16.09	\$28.68	\$18.86	\$31.13	\$37.87
43-5071	Shipping, Receiving, and Traffic Clerks	\$9.97	\$14.60	\$11.19	\$14.24	\$17.32
39-5094	Skin Care Specialists	\$11.09	\$14.87	\$12.32	\$14.46	\$17.25
11-9151	Social and Community Service Managers	\$24.59	\$32.86	\$29.25	\$34.05	\$39.75
21-1093	Social and Human Service Assistants	\$11.54	\$17.37	\$13.10	\$16.19	\$21.09
27-4014	Sound Engineering Technicians	\$8.81	\$14.87	\$9.47	\$12.86	\$19.94
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$21.78	\$29.94	\$25.65	\$31.10	\$35.16
51-8021	Stationary Engineers and Boiler Operators	\$19.44	\$26.00	\$22.07	\$26.44	\$30.62
43-9111	Statistical Assistants	\$13.05	\$16.83	\$14.38	\$16.31	\$18.37
15-2041	Statisticians	\$24.21	\$35.68	\$27.18	\$32.41	\$41.00
43-5081	Stock Clerks and Order Fillers	\$8.42	\$12.94	\$9.11	\$12.24	\$16.36

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2221	Structural Iron and Steel Workers	\$13.33	\$22.41	\$14.69	\$22.40	\$28.52
51-2041	Structural Metal Fabricators and Fitters	\$9.25	\$16.25	\$10.87	\$16.23	\$20.05
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$13.80	\$16.83	\$14.45	\$16.13	\$18.84
29-1067	Surgeons	\$58.04	(3)	\$58.46	\$69.11	>\$70.00
29-2055	Surgical Technologists	\$14.52	\$18.83	\$15.90	\$19.14	\$21.82
19-3022	Survey Researchers	\$20.17	\$29.08	\$23.33	\$27.42	\$38.51
17-3031	Surveying and Mapping Technicians	\$17.32	\$23.77	\$19.50	\$23.86	\$29.02
17-1022	Surveyors	\$24.17	\$28.03	\$25.00	\$28.42	\$31.94
43-2011	Switchboard Operators, Including Answering Service	\$10.18	\$13.95	\$11.22	\$13.56	\$16.38
51-6052	Tailors, Dressmakers, and Custom Sewers	\$11.82	\$13.64	\$11.95	\$13.06	\$15.16
47-2082	Tapers	\$18.99	\$24.45	\$20.24	\$23.81	\$28.91
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$19.05	\$28.43	\$21.13	\$28.71	\$34.95
13-2082	Tax Preparers	\$8.14	\$18.67	\$8.29	\$18.08	\$25.92
53-3041	Taxi Drivers and Chauffeurs	\$8.97	\$12.82	\$9.78	\$13.87	\$15.97
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$8.44	\$13.32	\$9.41	\$12.45	\$16.15
27-3042	Technical Writers	\$22.38	\$34.76	\$25.96	\$33.60	\$41.69
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$16.84	\$22.57	\$19.37	\$23.90	\$26.64
49-9052	Telecommunications Line Installers and Repairers	\$17.18	\$22.75	\$20.75	\$24.29	\$26.82
41-9041	Telemarketers	\$8.43	\$20.74	\$9.77	\$15.84	\$26.74
43-3071	Tellers	\$9.86	\$11.94	\$10.06	\$11.29	\$13.30
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$8.85	\$12.24	\$9.28	\$10.77	\$15.58

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$10.22	\$12.42	\$10.83	\$12.39	\$13.82
47-2044	Tile and Marble Setters	\$13.97	\$20.00	\$15.46	\$17.63	\$25.90
49-3093	Tire Repairers and Changers	\$7.68	\$9.18	\$7.57	\$8.25	\$10.19
23-2093	Title Examiners, Abstractors, and Searchers	\$15.88	\$25.45	\$18.15	\$22.76	\$28.52
51-4111	Tool and Die Makers	\$18.41	\$25.41	\$20.72	\$25.08	\$28.86
51-4194	Tool Grinders, Filers, and Sharpeners	\$6.85	\$12.07	\$7.85	\$11.67	\$15.11
39-6021	Tour Guides and Escorts	\$7.27	\$11.29	\$8.24	\$10.28	\$12.55
53-6041	Traffic Technicians	\$16.63	\$23.52	\$19.26	\$22.95	\$29.07
13-1073	Training and Development Specialists	\$18.10	\$30.55	\$22.06	\$29.35	\$39.19
53-0000	Transportation and Material Moving Occupations	\$7.97	\$13.59	\$9.00	\$12.76	\$17.31
53-6099	Transportation Workers, All Other	\$7.44	\$14.54	\$7.82	\$9.39	\$14.70
11-3071	Transportation, Storage, and Distribution Managers	\$23.48	\$35.53	\$26.36	\$33.03	\$43.39
41-3041	Travel Agents	\$10.59	\$16.53	\$12.08	\$15.97	\$21.09
37-3013	Tree Trimmers and Pruners	\$12.72	\$16.66	\$13.92	\$16.35	\$19.56
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$15.49	\$19.03	\$16.80	\$19.07	\$21.26
53-3033	Truck Drivers, Light or Delivery Services	\$9.33	\$13.23	\$9.89	\$12.16	\$16.15
51-6093	Upholsterers	\$9.22	\$12.89	\$10.00	\$12.39	\$15.50
19-3051	Urban and Regional Planners	\$21.73	\$29.81	\$24.48	\$29.12	\$35.73
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.75*	\$8.68	\$6.89	\$8.65	\$10.00
29-1131	Veterinarians	\$22.99	\$34.32	\$26.63	\$33.04	\$41.04
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$8.62	\$12.72	\$9.38	\$12.34	\$15.14
29-2056	Veterinary Technologists and Technicians	\$9.75	\$13.14	\$10.51	\$12.76	\$15.17

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$17.00	\$27.96	\$18.81	\$26.75	\$34.33
35-3031	Waiters and Waitresses	\$6.75*	\$7.96	\$6.75*	\$7.33	\$8.32
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$16.53	\$22.69	\$18.39	\$22.98	\$27.06
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$10.02	\$15.32	\$10.87	\$14.38	\$20.09
51-4121	Welders, Cutters, Solderers, and Brazers	\$11.72	\$16.90	\$12.96	\$16.10	\$19.95
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$10.61	\$16.76	\$11.37	\$15.83	\$21.17
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$12.43	\$22.27	\$15.23	\$21.08	\$28.14
51-7099	Woodworkers, All Other	\$9.97	\$16.22	\$11.82	\$17.56	\$20.71
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$8.75	\$13.19	\$9.39	\$11.55	\$17.57
43-9022	Word Processors and Typists	\$13.16	\$19.15	\$14.71	\$18.42	\$23.56
27-3043	Writers and Authors	\$17.63	\$34.35	\$20.38	\$30.17	\$45.27

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F:

Social & Economic Data

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Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
SANTA CLARA COUNTY

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	32,701	26,149	28,413	1,331,704
Adults	7,895	6,585	6,669	297,063
Children	24,806	19,564	21,744	1,034,641
Food Stamps (b)	31,442	27,534	33,406	1,529,445
General Relief (c)	1,248	1,314	1,741	95,718
Refugee Cash Assistance (d)	108	186	63	1,362
Welfare to Work (e)	6,088	6,487	6,954	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
SANTA CLARA COUNTY

Characteristics	July			CALIFORNIA July 2002
	2000	2001	2002	
Total Recipients 16+ (a) (b)	11,330	9,060	9,840	461,210
Male	2,170	1,730	1,880	88,310
Female	9,160	7,330	7,960	373,040
16-20	2,390	1,910	2,080	97,300
21-44	8,070	6,460	7,010	328,710
45-54	690	550	600	28,150
55+	180	140	150	7,200
White (Not Hispanic)	1,930	1,480	1,560	113,140
Black (Not Hispanic)	920	800	860	101,960
Hispanic	5,430	4,420	5,110	206,470
Asian & Pacific Islander	2,830	2,180	2,090	33,350
American Indian	80	80	70	3,290
Filipino	130	110	160	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
 See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
SANTA CLARA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
22127	COMPUTER ENGINEERS	19,000	31,980	12,980	68.3	\$96,360	\$46.49
25104	COMPUTER SUPPORT SPECIALISTS	10,650	18,310	7,660	71.9	\$58,484	\$26.42
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	8,760	16,210	7,450	85.0	\$76,080	\$36.05
49011	SALESPERSONS, RETAIL	25,180	30,910	5,730	22.8	\$24,800	\$9.62
19005	GENERAL MANAGERS, TOP EXECUTIVES	27,690	33,030	5,340	19.3	(4)	(4)
49023	CASHIERS	16,640	20,180	3,540	21.3	\$20,802	\$8.76
22126	ELECT AND ELECTRONIC ENGINEERS	19,030	22,470	3,440	18.1	(5)	(5)
67005	JANITORS, CLEANERS--EXCEPT MAIDS	16,110	19,510	3,400	21.1	\$22,092	\$9.34
13017	ENGINEER, MATH, AND NAT SCI MGRS	10,050	13,360	3,310	32.9	(6)	(6)
55347	GENERAL OFFICE CLERKS	21,910	25,200	3,290	15.0	\$27,750	\$12.77
25105	COMPUTER PROGRAMMERS	14,200	17,240	3,040	21.4	\$74,268	\$36.38
55305	RECEPTIONISTS, INFORMATION CLERKS	10,680	12,900	2,220	20.8	\$28,148	\$13.43
97105	TRUCK DRIVERS, LIGHT	8,290	10,260	1,970	23.8	\$27,517	\$12.16
79041	LABORERS, LANDSCAPING/GROUNDSKEE	7,920	9,720	1,800	22.7	\$26,060	\$11.39
87102	CARPENTERS	6,630	8,430	1,800	27.1	\$45,461	\$20.64
65008	WAITERS AND WAITRESSES	12,290	13,980	1,690	13.8	\$16,553	\$7.33
21114	ACCOUNTANTS AND AUDITORS	9,310	10,950	1,640	17.6	\$63,097	\$28.07
98902	HAND PACKERS AND PACKAGERS	4,810	6,370	1,560	32.4	\$21,295	\$8.85
55108	SECRETARIES, GENERAL	18,600	20,130	1,530	8.2	\$36,143	\$17.64
13011	MKTING, ADV, PUB-REL MANAGERS	7,750	9,260	1,510	19.5	(7)	(7)

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the San Jose Metropolitan Statistical Area (MSA), which includes Santa Clara County.

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage >\$70.00;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$58,695 - Median Hourly Wage \$24.90;

Sales Managers, SOC Code 11-2022, Mean Annual Wage See (4a) - Median Hourly Wage \$53.53;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) Electrical and Electronic Engineers - Include the following Occupations:

Electrical Engineers, SOC 17-2071, Mean Annual Wage \$89,626 - Median Hourly Wage \$42.78;

Electronics Engineers, Except Computer, SOC 17-2072, Mean Annual Wage \$79,743 - Median Hourly Wage \$37.42

(6) Engineer, Math, and Natural Science Managers - Include the following Occupations:

Computer and Information System Manager, SOC Code 11-3021, Mean Annual Wage \$117,896 - Median Hourly Wage \$57.80;

Natural Sciences Managers, SOC Code 11-9121, Mean Annual Wage \$116,600 - Median Hourly Wage \$58.60;

Engineering Managers, SOC Code 11-9041, Mean Annual Wage See (4a) - Median Hourly Wage \$59.61

(7) Marketing, Advertising, and Public Relations Managers - Include the following Occupations:

Marketing Managers, SOC Code 11-2021, Mean Annual Wage \$113,899 - Median Hourly Wage \$57.59;

Advertising and Promotions Managers, SOC Code 11-2011, Mean Annual Wage \$109,757 - Median Hourly Wage \$56.21;

Public Relations Managers, SOC Code 11-2031, Mean Annual Wage \$91,844 - Median Hourly Wage \$42.77

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim	Los Angeles County				San Bernardino County		
Carson/Lomita/Torrance	Orange County				SELACO		
Foothill	Riverside County				South Bay		
Long Beach	Santa Ana				Ventura		
Los Angeles City	San Bernardino City				Verdugo		
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda		Oakland				Santa Cruz	
Contra Costa		Richmond				Solano	
Marin		San Francisco				Sonoma	
Napa		San Jose					
NOVA		San Mateo					
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC						Stanislaus
Golden Sierra	North Central						Tulare
Kern/Inyo/Mono	Sacramento						Yolo
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt	Mother Lode						
Imperial	San Benito						
Kings	San Luis Obispo						
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,
Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: NORTH SANTA CLARA VALLEY

JURISDICTIONS INCLUDED: CUPERTINO, LOS ALTOS, MOUNTAIN VIEW, PALO ALTO, SANTA CLARA
AND SUNNYVALE CITIES -- CONSORTIUM

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)		
EMPLOYED		321,525
UNEMPLOYED		19,560
UNEMPLOYMENT RATE		5.7
NOT IN LABOR FORCE (2)		78,036
2002 VETERAN INFORMATION - SANTA CLARA COUNTY		
TOTAL VETERANS (3)		112,924
MALE		106,348
FEMALE		6,576
VIETNAM ERA VETERANS - CENSUS 2000 (4)		32,979
DISABLED VETERANS (5)		6,494
OFFENDERS (6)		6,243
% OF PEOPLE IN POVERTY: SANTA CLARA COUNTY, 1998 (7)		8.2

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 2.9

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANT	643	100.0	2,193	100.0	9,537	100.0	2,768	100.0	14,498	100.0
BY RACE:										
WHITE NOT HISPANIC	221	34.3	1,311	59.8	5,603	58.8	1,786	64.5	8,700	60.0
BLACK NOT HISPANIC	0	0.0	51	1.6	152	1.6	0	0.0	203	1.4
AMERICAN INDIAN NOT HISP	0	0.0	0	0.7	66	0.7	0	0.0	66	0.5
ASIAN NOT HISPANIC	277	43.1	629	22.8	2,172	22.8	485	17.5	3,286	22.7
PACIFIC ISLAND NOT HISP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
HISPANIC	145	22.5	202	16.2	1,545	16.2	498	18.0	2,245	15.5
BY SEX:										
MALE	63	9.8	920	50.1	4,780	50.1	826	29.8	6,526	45.0
FEMALE	580	90.2	1,273	49.9	4,757	49.9	1,942	70.2	7,972	55.0
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	0	0.0	176	17.7	1,692	17.7	576	20.8	2,444	16.9
GRADUATES	0	0.0	417	43.5	4,149	43.5	1,114	40.2	5,680	39.2
STUDENTS	422	65.7	749	1.7	164	1.7	0	0.0		6.3
DISABLED	0	0.0	107	10.3	980	10.3	684	24.7	1,771	12.2
LIMITED ENGLISH PROF	63	9.8	245	15.9	1,518	15.9	2,100	16.1	2,207	15.2

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: SAN JOSE / SILICON VALLEY WIA
 JURISDICTIONS INCLUDED: SAN JOSE / SILICON VALLEY WIA (LESS: CUPERTINO, LOS ALTOS, MILPITAS,
 MOUNTAIN VIEW, PALO ALTO, SANTA CLARA AND SUNNYVALE CITIES - CONSORTIUM)

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)
 EMPLOYED 602,752
 UNEMPLOYED 56,343
 UNEMPLOYMENT RATE 8.5
 NOT IN LABOR FORCE (2) 265,388

2002 VETERAN INFORMATION - SANTA CLARA COUNTY
 TOTAL VETERANS (3) 112,924
 MALE 106,348
 FEMALE 6,576
 VIETNAM ERA VETERANS - CENSUS 2000 (4) 32,979
 DISABLED VETERANS (5) 6,494

OFFENDERS (6) 18,621

% OF PEOPLE IN POVERTY: SANTA CLARA COUNTY, 1998 (7) 8.2

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 5.7

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	4,160	100.0	11,554	100.0	45,172	100.0	7,908	100.0	64,634	100.0
BY RACE:										
WHITE NOT HISPANIC	795	19.1	3,337	28.9	13,979	30.9	3,821	48.3	21,137	32.7
BLACK NOT HISPANIC	269	6.5	443	3.8	2,876	6.4	199	2.5	3,518	5.4
AMERICAN INDIAN NOT HISP	14	0.3	58	0.5	261	0.6	81	1.0	400	0.6
ASIAN NOT HISPANIC	1,044	25.1	2,533	21.9	9,109	20.2	1,826	23.1	13,468	20.8
PACIFIC ISLAND NOT HISP	0	0.0	9	0.1	197	0.4	70	0.9	276	0.4
HISPANIC	2,039	49.0	5,174	44.8	18,750	41.5	1,911	24.2	25,835	40.0
BY SEX:										
MALE	1,982	47.6	5,524	47.8	20,419	45.2	2,866	36.2	28,809	44.6
FEMALE	2,178	52.4	6,030	52.2	24,753	54.8	5,042	63.8	35,825	55.4
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	229	5.5	3,136	27.1	18,437	40.8	4,005	50.6	25,578	39.6
GRADUATES	0	0.0	566	4.9	11,666	25.8	1,773	22.4	14,005	21.7
STUDENTS	1,460	35.1	3,733	32.3	1,244	2.8	69	0.9	5,046	7.8
DISABLED	92	2.2	758	6.6	6,214	13.8	2,709	34.3	9,681	15.0
LIMITED ENGLISH PROF	286	6.9	2,386	20.7	12,148	26.9	2,100	26.6	16,634	25.7

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,
 Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Santa Clara County, California

For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population.....	1,682,585	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population.....	1,682,585	100.0
Male.....	852,974	50.7	Hispanic or Latino (of any race).....	403,401	24.0
Female.....	829,611	49.3	Mexican.....	323,489	19.2
Under 5 years.....	119,418	7.1	Puerto Rican.....	6,396	0.4
5 to 9 years.....	120,725	7.2	Cuban.....	1,852	0.1
10 to 14 years.....	111,443	6.6	Other Hispanic or Latino.....	71,664	4.3
15 to 19 years.....	108,026	6.4	Not Hispanic or Latino.....	1,279,184	76.0
20 to 24 years.....	112,690	6.7	White alone.....	744,282	44.2
25 to 34 years.....	299,140	17.8	RELATIONSHIP		
35 to 44 years.....	296,883	17.6	Total population.....	1,682,585	100.0
45 to 54 years.....	218,715	13.0	In households.....	1,652,871	98.2
55 to 59 years.....	76,614	4.6	Householder.....	565,863	33.6
60 to 64 years.....	58,404	3.5	Spouse.....	310,778	18.5
65 to 74 years.....	87,193	5.2	Child.....	485,584	28.9
75 to 84 years.....	55,347	3.3	Own child under 18 years.....	362,114	21.5
85 years and over.....	17,987	1.1	Other relatives.....	158,005	9.4
Median age (years).....	34.0	(X)	Under 18 years.....	43,133	2.6
18 years and over.....	1,266,183	75.3	Nonrelatives.....	132,641	7.9
Male.....	638,946	38.0	Unmarried partner.....	29,466	1.8
Female.....	627,237	37.3	In group quarters.....	29,714	1.8
21 years and over.....	1,201,288	71.4	Institutionalized population.....	10,975	0.7
62 years and over.....	193,600	11.5	Noninstitutionalized population.....	18,739	1.1
65 years and over.....	160,527	9.5	HOUSEHOLD BY TYPE		
Male.....	67,613	4.0	Total households.....	565,863	100.0
Female.....	92,914	5.5	Family households (families).....	395,561	69.9
RACE			With own children under 18 years.....	197,245	34.9
One race.....	1,604,148	95.3	Married-couple family.....	310,778	54.9
White.....	905,660	53.8	With own children under 18 years.....	157,192	27.8
Black or African American.....	47,182	2.8	Female householder, no husband present.....	56,793	10.0
American Indian and Alaska Native.....	11,350	0.7	With own children under 18 years.....	28,653	5.1
Asian.....	430,095	25.6	Nonfamily households.....	170,302	30.1
Asian Indian.....	66,741	4.0	Householder living alone.....	121,109	21.4
Chinese.....	115,781	6.9	Householder 65 years and over.....	33,418	5.9
Filipino.....	76,060	4.5	Households with individuals under 18 years.....	218,176	38.6
Japanese.....	27,257	1.6	Households with individuals 65 years and over ..	113,316	20.0
Korean.....	21,647	1.3	Average household size.....	2.92	(X)
Vietnamese.....	99,986	5.9	Average family size.....	3.41	(X)
Other Asian ¹	22,623	1.3	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	5,773	0.3	Total housing units.....	579,329	100.0
Native Hawaiian.....	1,073	0.1	Occupied housing units.....	565,863	97.7
Guamanian or Chamorro.....	1,176	0.1	Vacant housing units.....	13,466	2.3
Samoan.....	1,969	0.1	For seasonal, recreational, or		
Other Pacific Islander ²	1,555	0.1	occasional use.....	2,507	0.4
Some other race.....	204,088	12.1	Homeowner vacancy rate (percent).....	0.5	(X)
Two or more races.....	78,437	4.7	Rental vacancy rate (percent).....	1.8	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units.....	565,863	100.0
White.....	969,182	57.6	Owner-occupied housing units.....	338,661	59.8
Black or African American.....	56,596	3.4	Renter-occupied housing units.....	227,202	40.2
American Indian and Alaska Native.....	22,648	1.3	Average household size of owner-occupied units.....	3.00	(X)
Asian.....	462,261	27.5	Average household size of renter-occupied units.....	2.80	(X)
Native Hawaiian and Other Pacific Islander.....	11,957	0.7			
Some other race.....	243,794	14.5			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Santa Clara County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	476,333	100.0	Total population	1,682,585	100.0
Nursery school, preschool	29,169	6.1	Native	1,109,455	65.9
Kindergarten	25,694	5.4	Born in United States	1,089,436	64.7
Elementary school (grades 1-8)	187,383	39.3	State of residence	737,130	43.8
High school (grades 9-12)	92,486	19.4	Different state	352,306	20.9
College or graduate school	141,601	29.7	Born outside United States	20,019	1.2
EDUCATIONAL ATTAINMENT			Foreign born	573,130	34.1
Population 25 years and over	1,113,058	100.0	Entered 1990 to March 2000	265,212	15.8
Less than 9th grade	89,390	8.0	Naturalized citizen	235,952	14.0
9th to 12th grade, no diploma	95,410	8.6	Not a citizen	337,178	20.0
High school graduate (includes equivalency)	176,926	15.9	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	218,645	19.6	Total (excluding born at sea)	573,118	100.0
Associate degree	82,148	7.4	Europe	57,452	10.0
Bachelor's degree	267,449	24.0	Asia	328,431	57.3
Graduate or professional degree	183,090	16.4	Africa	8,699	1.5
Percent high school graduate or higher	83.4	(X)	Oceania	3,903	0.7
Percent bachelor's degree or higher	40.5	(X)	Latin America	165,113	28.8
MARITAL STATUS			Northern America	9,520	1.7
Population 15 years and over	1,329,650	100.0	LANGUAGE SPOKEN AT HOME		
Never married	401,293	30.2	Population 5 years and over	1,564,068	100.0
Now married, except separated	728,986	54.8	English only	854,337	54.6
Separated	23,392	1.8	Language other than English	709,731	45.4
Widowed	62,320	4.7	Speak English less than "very well"	343,320	22.0
Female	51,383	3.9	Spanish	275,439	17.6
Divorced	113,659	8.5	Speak English less than "very well"	142,627	9.1
Female	66,069	5.0	Other Indo-European languages	112,351	7.2
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	33,396	2.1
Grandparent living in household with one or more own grandchildren under 18 years	46,541	100.0	Asian and Pacific Island languages	304,332	19.5
Grandparent responsible for grandchildren	11,912	25.6	Speak English less than "very well"	162,031	10.4
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	1,266,214	100.0	Total population	1,682,585	100.0
Civilian veterans	105,834	8.4	Total ancestries reported	1,792,071	106.5
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	9,063	0.5
Population 5 to 20 years	361,012	100.0	Czech ¹	6,021	0.4
With a disability	23,564	6.5	Danish	10,776	0.6
Population 21 to 64 years	1,036,877	100.0	Dutch	17,043	1.0
With a disability	170,555	16.4	English	121,865	7.2
Percent employed	63.1	(X)	French (except Basque) ¹	37,086	2.2
No disability	866,322	83.6	French Canadian ¹	6,844	0.4
Percent employed	77.1	(X)	German	155,601	9.2
Population 65 years and over	154,328	100.0	Greek	7,972	0.5
With a disability	60,610	39.3	Hungarian	5,915	0.4
RESIDENCE IN 1995			Irish ¹	120,194	7.1
Population 5 years and over	1,564,068	100.0	Italian	87,487	5.2
Same house in 1995	800,247	51.2	Lithuanian	2,401	0.1
Different house in the U.S. in 1995	639,028	40.9	Norwegian	21,137	1.3
Same county	437,889	28.0	Polish	25,786	1.5
Different county	201,139	12.9	Portuguese	29,138	1.7
Same state	118,895	7.6	Russian	20,705	1.2
Different state	82,244	5.3	Scotch-Irish	17,968	1.1
Elsewhere in 1995	124,793	8.0	Scottish	27,508	1.6
			Slovak	1,647	0.1
			Subsaharan African	8,500	0.5
			Swedish	23,157	1.4
			Swiss	7,177	0.4
			Ukrainian	4,048	0.2
			United States or American	37,929	2.3
			Welsh	8,890	0.5
			West Indian (excluding Hispanic groups)	1,586	0.1
			Other ancestries	968,627	57.6

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Geographic area: Santa Clara County, California

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	1,308,666	100.0	Households	566,485	100.0
In labor force	878,932	67.2	Less than \$10,000	25,418	4.5
Civilian labor force	878,106	67.1	\$10,000 to \$14,999	16,344	2.9
Employed	843,912	64.5	\$15,000 to \$24,999	34,094	6.0
Unemployed	34,194	2.6	\$25,000 to \$34,999	39,417	7.0
Percent of civilian labor force	3.9	(X)	\$35,000 to \$49,999	63,431	11.2
Armed Forces	826	0.1	\$50,000 to \$74,999	106,536	18.8
Not in labor force	429,734	32.8	\$75,000 to \$99,999	85,163	15.0
Females 16 years and over	648,931	100.0	\$100,000 to \$149,999	105,937	18.7
In labor force	382,009	58.9	\$150,000 to \$199,999	45,940	8.1
Civilian labor force	381,930	58.9	\$200,000 or more	44,205	7.8
Employed	365,548	56.3	Median household income (dollars)	74,335	(X)
Own children under 6 years	133,586	100.0	With earnings	497,017	87.7
All parents in family in labor force	71,231	53.3	Mean earnings (dollars) ¹	94,208	(X)
COMMUTING TO WORK			With Social Security income	102,897	18.2
Workers 16 years and over	828,927	100.0	Mean Social Security income (dollars) ¹	12,048	(X)
Car, truck, or van -- drove alone	641,113	77.3	With Supplemental Security Income	22,609	4.0
Car, truck, or van -- carpooled	101,188	12.2	Mean Supplemental Security Income (dollars) ¹	7,407	(X)
Public transportation (including taxicab)	29,118	3.5	With public assistance income	15,306	2.7
Walked	14,786	1.8	Mean public assistance income (dollars) ¹	4,832	(X)
Other means	16,854	2.0	With retirement income	76,907	13.6
Worked at home	25,868	3.1	Mean retirement income (dollars) ¹	19,264	(X)
Mean travel time to work (minutes) ¹	26.1	(X)	Families	399,765	100.0
Employed civilian population			Less than \$10,000	11,367	2.8
16 years and over	843,912	100.0	\$10,000 to \$14,999	8,464	2.1
OCCUPATION			\$15,000 to \$24,999	20,268	5.1
Management, professional, and related occupations	409,371	48.5	\$25,000 to \$34,999	24,974	6.2
Service occupations	88,797	10.5	\$35,000 to \$49,999	42,211	10.6
Sales and office occupations	191,719	22.7	\$50,000 to \$74,999	73,757	18.5
Farming, fishing, and forestry occupations	3,494	0.4	\$75,000 to \$99,999	63,169	15.8
Construction, extraction, and maintenance occupations	55,616	6.6	\$100,000 to \$149,999	82,011	20.5
Production, transportation, and material moving occupations	94,915	11.2	\$150,000 to \$199,999	37,151	9.3
INDUSTRY			\$200,000 or more	36,393	9.1
Agriculture, forestry, fishing and hunting, and mining	4,364	0.5	Median family income (dollars)	81,717	(X)
Construction	42,232	5.0	Per capita income (dollars) ¹	32,795	(X)
Manufacturing	231,784	27.5	Median earnings (dollars):		
Wholesale trade	25,515	3.0	Male full-time, year-round workers	56,240	(X)
Retail trade	83,369	9.9	Female full-time, year-round workers	40,574	(X)
Transportation and warehousing, and utilities	23,546	2.8			
Information	39,098	4.6			
Finance, insurance, real estate, and rental and leasing	38,715	4.6	POVERTY STATUS IN 1999		
Professional, scientific, management, administrative, and waste management services	131,015	15.5	Families	19,624	4.9
Educational, health and social services	123,890	14.7	With related children under 18 years	14,841	6.8
Arts, entertainment, recreation, accommodation and food services	49,186	5.8	With related children under 5 years	7,096	7.5
Other services (except public administration)	29,987	3.6	Families with female householder, no husband present	7,321	13.5
Public administration	21,211	2.5	With related children under 18 years	6,308	18.7
CLASS OF WORKER			With related children under 5 years	2,807	26.2
Private wage and salary workers	711,339	84.3	Individuals	124,470	7.5
Government workers	77,960	9.2	18 years and over	87,922	7.1
Self-employed workers in own not incorporated business	52,302	6.2	65 years and over	9,840	6.4
Unpaid family workers	2,311	0.3	Related children under 18 years	34,198	8.4
			Related children 5 to 17 years	24,722	8.6
			Unrelated individuals 15 years and over	49,507	17.0

¹If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

3

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Santa Clara County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	579,329	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	565,863	100.0
1-unit, detached	323,923	55.9	1.00 or less.....	484,840	85.7
1-unit, attached	52,736	9.1	1.01 to 1.50	34,725	6.1
2 units	11,112	1.9	1.51 or more.....	46,298	8.2
3 or 4 units	35,259	6.1			
5 to 9 units	31,041	5.4	Specified owner-occupied units	291,771	100.0
10 to 19 units	28,441	4.9	VALUE		
20 or more units	77,146	13.3	Less than \$50,000.....	3,004	1.0
Mobile home.....	19,102	3.3	\$50,000 to \$99,999.....	2,796	1.0
Boat, RV, van, etc.....	569	0.1	\$100,000 to \$149,999.....	1,571	0.5
			\$150,000 to \$199,999.....	5,835	2.0
YEAR STRUCTURE BUILT			\$200,000 to \$299,999.....	37,665	12.9
1999 to March 2000	10,402	1.8	\$300,000 to \$499,999.....	125,661	43.1
1995 to 1998	29,525	5.1	\$500,000 to \$999,999.....	90,200	30.9
1990 to 1994	26,941	4.7	\$1,000,000 or more.....	25,039	8.6
1980 to 1989	77,749	13.4	Median (dollars).....	446,400	(X)
1970 to 1979	145,718	25.2			
1960 to 1969	132,161	22.8	MORTGAGE STATUS AND SELECTED		
1940 to 1959	126,287	21.8	MONTHLY OWNER COSTS		
1939 or earlier	30,546	5.3	With a mortgage	233,345	80.0
			Less than \$300	319	0.1
ROOMS			\$300 to \$499	2,476	0.8
1 room	26,221	4.5	\$500 to \$699	5,461	1.9
2 rooms	55,332	9.6	\$700 to \$999	12,787	4.4
3 rooms	79,845	13.8	\$1,000 to \$1,499	35,437	12.1
4 rooms	80,019	13.8	\$1,500 to \$1,999	54,702	18.7
5 rooms	96,436	16.6	\$2,000 or more	122,163	41.9
6 rooms	95,355	16.5	Median (dollars).....	1,780	(X)
7 rooms	69,399	12.0	Not mortgaged	58,426	20.0
8 rooms	44,881	7.7	Median (dollars).....	350	(X)
9 or more rooms	31,841	5.5			
Median (rooms)	5.0	(X)	SELECTED MONTHLY OWNER COSTS		
Occupied housing units	565,863	100.0	AS A PERCENTAGE OF HOUSEHOLD		
YEAR HOUSEHOLDER MOVED INTO UNIT			INCOME IN 1999		
1999 to March 2000	121,565	21.5	Less than 15.0 percent.....	90,168	30.9
1995 to 1998	168,466	29.8	15.0 to 19.9 percent	41,831	14.3
1990 to 1994	87,098	15.4	20.0 to 24.9 percent	41,250	14.1
1980 to 1989	86,495	15.3	25.0 to 29.9 percent	32,269	11.1
1970 to 1979	56,442	10.0	30.0 to 34.9 percent	22,724	7.8
1969 or earlier	45,797	8.1	35.0 percent or more	61,659	21.1
			Not computed.....	1,870	0.6
VEHICLES AVAILABLE			Specified renter-occupied units	226,473	100.0
None	31,978	5.7	GROSS RENT		
1	164,212	29.0	Less than \$200	3,186	1.4
2	231,806	41.0	\$200 to \$299	3,246	1.4
3 or more	137,867	24.4	\$300 to \$499	8,550	3.8
			\$500 to \$749	17,823	7.9
HOUSE HEATING FUEL			\$750 to \$999	42,217	18.6
Utility gas	393,862	69.6	\$1,000 to \$1,499	89,059	39.3
Bottled, tank, or LP gas	10,053	1.8	\$1,500 or more	57,463	25.4
Electricity	155,374	27.5	No cash rent.....	4,929	2.2
Fuel oil, kerosene, etc	583	0.1	Median (dollars).....	1,185	(X)
Coal or coke	8	-			
Wood	2,303	0.4	GROSS RENT AS A PERCENTAGE OF		
Solar energy	274	-	HOUSEHOLD INCOME IN 1999		
Other fuel	577	0.1	Less than 15.0 percent.....	36,979	16.3
No fuel used	2,829	0.5	15.0 to 19.9 percent	34,377	15.2
			20.0 to 24.9 percent	33,625	14.8
SELECTED CHARACTERISTICS			25.0 to 29.9 percent	26,242	11.6
Lacking complete plumbing facilities	2,867	0.5	30.0 to 34.9 percent	19,369	8.6
Lacking complete kitchen facilities	3,289	0.6	35.0 percent or more	67,064	29.6
No telephone service	3,318	0.6	Not computed.....	8,817	3.9

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

Explanation Of Terms And Concepts

Asian and Pacific Islander: An ethnic classification for any person whose origin is Chinese, Cambodian, Japanese, Korean, Samoan, Asian Indian, Hawaiian, Guamanian, Laotian or Vietnamese.

Black/African American: A person having origins in any of the black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic/Spanish Origin: An ethnic classification for persons of Mexican, Puerto Rican, Cuban or any other nationality which originated from and/or is based upon Spanish cultures and languages, regardless of race.

Other (Races): A racial category of persons not included in: the white; black; American Indian, Eskimo, and Aleut; Asian and Pacific Islander; or Filipino categories.

Other (than Hispanic) Origin: An ethnic classification for persons with nationalities based on cultures and languages other than Spanish, regardless of race.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

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Labor Market Information For Nondiscrimination Programs

SANTA CLARA COUNTY

This report contains 1990 census population, labor force data, and occupational information for use in developing nondiscrimination programs, as required for federal and state contract compliance. The information in this series of reports is presented by county, because a county often constitutes the normal recruiting area for employers. However, separate reports are available for multi-county Metropolitan Statistical Areas (MSAs) and Consolidated Metropolitan Statistical Areas (CMSAs). Employers may wish to combine data for two or more counties, to co-

incide with the particular boundaries of their firm's recruiting area. The occupational groups listed in this report are those most often used in developing nondiscrimination programs (see next page for a comparison with California Department of Fair Employment and Housing's job categories). If more information about specific occupations is needed, the California Department of Finance's State Census Data Center, (916) 323-4086, has an 86-page detailed occupation report available for purchase.

Technical Note: This information is drawn from the 1990 Census of Population and Housing. The population data in Table 1 and the labor force data in Tables 2A, 2B and 2C are from Summary Tape File 4B. The occupational information in Tables 3, 4 and 5 is from the Equal Employment Opportunity (EEO) File.

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Note to Users

The information contained in this publication is general in nature and is provided to assist employers in meeting nondiscrimination obligations. However, this information may not include all of the specific requirements with which federal and state contractors must conform in making a comprehensive utilization analysis. Reference should be made to Code of Federal Regulations, Title 41, Subtitle B, chapter 60, Section 60-2.11 or California Code of Regulations, Title 2, Division 4, Chapter 5 for complete utilization analysis requirements.

Any questions regarding nondiscrimination requirements should be directed to the government agency issuing the contract or:

U.S. Department of Labor

Office of Federal Contract Compliance
(415) 848-6969

California Department of Fair Employment and Housing

Office of Compliance Programs
(916) 227-2888

Note to California Employer Identification Report (CEIR) Respondents

The job categories listed on the California Employer Identification Report (CEIR) differ from the occupational group titles listed in this report (and the EEO file); however, the occupations contained within the job categories are essentially the same as those included in the occupational groups. Therefore, a direct relationship exists between CEIR job categories and occupational groups listed in this report. The following table shows that relationship:

CEIR Category

EDD/EEO Occupational Group

Officials and Managers

Executive, Administrative, and Managerial

Professional

Professional Specialty

Technicians

Technicians and Related Support

Sales

Sales

Office and Clerical

Office/Clerical

Craft Worker

Precision Production, Craft and Repair

Operatives

Machine Operators, Assemblers and Inspectors &
Transportation and Material Moving

Laborers

Handlers, Equipment Cleaners, Helpers, Laborers

Service Workers

Services

For further information, contact the California Department of Fair Employment and Housing, Office of Compliance Programs:
(916) 227-2888.

For additional copies of this publication or other labor market information, contact the Employment Development Department's Labor Market Information Division:
(916) 262-2162.



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